FEDERAL OPERATING PERMIT

A FEDERAL OPERATING PERMIT IS HEREBY ISSUED TO
FPLE Forney, L.L.C.

AUTHORIZING THE OPERATION OF
Forney Energy Center
Electric Services

LOCATED AT
Kaufman County, Texas
Latitude 32° 45' 13" Longitude 96° 29' 27"
Regulated Entity Number: RN100213420

This permit is issued in accordance with and subject to the Texas Clean Air Act (TCAA), Chapter 382 of the Texas Health and Safety Code and Title 30 Texas Administrative Code Chapter 122 (30 TAC Chapter 122), Federal Operating Permits. Under 30 TAC Chapter 122, this permit constitutes the permit holder's authority to operate the site, emission units and affected source listed in this permit. Operations of the site, emission units and affected source listed in this permit are subject to all additional rules or amended rules and orders of the Commission pursuant to the TCAA.

This permit does not relieve the permit holder from the responsibility of obtaining New Source Review authorization for new, modified, or existing facilities in accordance with 30 TAC Chapter 116, Control of Air Pollution by Permits for New Construction or Modification.

The site, emission units and affected source authorized by this permit shall be operated in accordance with 30 TAC Chapter 122, the general terms and conditions, special terms and conditions, and attachments contained herein.

This permit shall expire five years from the date of issuance. The renewal requirements specified in 30 TAC § 122.241 must be satisfied in order to renew the authorization to operate the site, emission units and affected source.

Permit No: O2402 Issuance Date: _____

_____
For the Commission

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General Terms and Conditions

The permit holder shall comply with all terms and conditions contained in 30 TAC § 122.143 (General Terms and Conditions), 30 TAC § 122.144 (Recordkeeping Terms and Conditions), 30 TAC § 122.145 (Reporting Terms and Conditions), and 30 TAC § 122.146 (Compliance Certification Terms and Conditions).

In accordance with 30 TAC § 122.144(1), records of required monitoring data and support information required by this permit, or any applicable requirement codified in this permit, are required to be maintained for a period of five years from the date of the monitoring report, sample, or application unless a longer data retention period is specified in an applicable requirement. The five year record retention period supersedes any less stringent retention requirement that may be specified in a condition of a permit identified in the New Source Review Authorization attachment.

If the permit holder chooses to demonstrate that this permit is no longer required, a written request to void this permit shall be submitted to the Texas Commission on Environmental Quality (TCEQ) by the Responsible Official in accordance with 30 TAC § 122.161(e). The permit holder shall comply with the permit's requirements, including compliance certification and deviation reporting, until notified by the TCEQ that this permit is voided.

The permit holder shall comply with 30 TAC Chapter 116 by obtaining a New Source Review authorization prior to new construction or modification of emission units located in the area covered by this permit.

All reports required by this permit must include in the submittal a cover letter which identifies the following information: company name, TCEQ regulated entity number, air account number (if assigned), site name, area name (if applicable), and Air Permits Division permit number(s).

Special Terms and Conditions:
Emission Limitations and Standards, Monitoring and Testing, and Recordkeeping and Reporting

1. Permit holder shall comply with the following requirements:

    A. Emission units (including groups and processes) in the Applicable Requirements Summary attachment shall meet the limitations, standards, equipment specifications, monitoring, recordkeeping, reporting, testing, and other requirements listed in the Applicable Requirements Summary attachment to assure compliance with the permit.

    B. The textual description in the column titled "Textual Description" in the Applicable Requirements Summary attachment is not enforceable and is not deemed as a substitute for the actual regulatory language. The Textual Description is provided for information purposes only.

C. A citation listed on the Applicable Requirements Summary attachment, which has a notation [G] listed before it, shall include the referenced section and subsection for all commission rules, or paragraphs for all federal and state regulations and all subordinate paragraphs, subparagraphs and clauses, subclauses, and items contained within the referenced citation as applicable requirements.

D. When a grouped citation, notated with a [G] in the Applicable Requirements Summary, contains multiple compliance options, the permit holder must keep records of when each compliance option was used.

E. Emission units subject to 40 CFR Part 63, Subpart ZZZZ as identified in the attached Applicable Requirements Summary table are subject to 30 TAC Chapter 113, Subchapter C, §113.1090 which incorporates the 40 CFR Part 63 Subpart by reference.

F. The permit holder shall comply with the following 30 TAC Chapter 101, Subchapter H, Division 2 (Emissions Banking and Trading of Allowances) Requirements for an electric generating facility authorized under 30 TAC Chapter 116, Subchapter I:

(i) Title 30 TAC § 101.332 (relating to General Provisions)

(ii) Title 30 TAC § 101.333 (relating to Allocation of Allowances)

(iii) Title 30 TAC § 101.334 (relating to Allowance Deductions)

(iv) Title 30 TAC § 101.335 (relating to Allowance Banking and Trading)

(v) Title 30 TAC § 101.336 (relating to Emission Monitoring and Compliance Demonstration and Reporting)

(vi) The terms and conditions by which the emission limits are established to meet the quantity of allowances for the electric generating facility are applicable requirements of this permit

2. The permit holder shall comply with the following sections of 30 TAC Chapter 101 (General Air Quality Rules):

A. Title 30 TAC § 101.1 (relating to Definitions), insofar as the terms defined in this section are used to define the terms used in other applicable requirements

B. Title 30 TAC § 101.3 (relating to Circumvention)

C. Title 30 TAC § 101.8 (relating to Sampling), if such action has been requested by the TCEQ

D. Title 30 TAC § 101.9 (relating to Sampling Ports), if such action has been requested by the TCEQ

E. Title 30 TAC § 101.10 (relating to Emissions Inventory Requirements)

F. Title 30 TAC § 101.201 (relating to Emission Event Reporting and Recordkeeping Requirements)

G. Title 30 TAC § 101.211 (relating to Scheduled Maintenance, Start-up, and Shutdown Reporting and Recordkeeping Requirements)

H. Title 30 TAC § 101.221 (relating to Operational Requirements)

I. Title 30 TAC § 101.222 (relating to Demonstrations)

J. Title 30 TAC § 101.223 (relating to Actions to Reduce Excessive Emissions)

3. Permit holder shall comply with the following requirements of 30 TAC Chapter 111:

A. Visible emissions from stationary vents with a flow rate of less than 100,000 actual cubic feet per minute and constructed after January 31, 1972 that are not listed in the Applicable Requirements Summary attachment for 30 TAC Chapter 111, Subchapter A, Division 1 , shall not exceed 20% opacity averaged over a six-minute period. The permit holder shall comply with the following requirements for stationary vents at the site subject to this standard:

(i) Title 30 TAC § 111.111(a)(1)(B) (relating to Requirements for Specified Sources)

(ii) Title 30 TAC § 111.111(a)(1)(E)

(iii) Title 30 TAC § 111.111(a)(1)(F)(i), (ii), (iii), or (iv)

(iv) For emission units with vent emissions subject to 30 TAC § 111.111(a)(1)(B), complying with 30 TAC § 111.111(a)(1)(F)(ii), (iii), or (iv), and capable of producing visible emissions from, but not limited to, particulate matter, acid gases and NO_x, the permit holder shall also comply with the following periodic monitoring requirements for the purpose of annual compliance certification under 30 TAC § 122.146. These periodic monitoring requirements do not apply to vents that are not capable of producing visible emissions such as vents that emit only colorless VOCs; vents from non-fuming liquids; vents that provide passive ventilation, such as plumbing vents; or vent emissions from any other source that does not obstruct the transmission of light. Vents, as specified in the

"Applicable Requirements Summary" attachment, that are subject to the emission limitation of 30 TAC § 111.111(a)(1)(B) are not subject to the following periodic monitoring requirements:

(1) An observation of stationary vents from emission units in operation shall be conducted at least once during each calendar quarter unless the emission unit is not operating for the entire quarter.

(2) For stationary vents from a combustion source, if an alternative to the normally fired fuel is fired for a period greater than or equal to 24 consecutive hours, the permit holder shall conduct an observation of the stationary vent for each such period to determine if visible emissions are present. If such period is greater than 3 months, observations shall be conducted once during each quarter. Supplementing the normally fired fuel with natural gas or fuel gas to increase the net heating value to the minimum required value does not constitute creation of an alternative fuel.

(3) Records of all observations shall be maintained.

(4) Visible emissions observations of emission units operated during daylight hours shall be conducted no earlier than one hour after sunrise and no later than one hour before sunset. Visible emissions observations of emission units operated only at night must be made with additional lighting and the temporary installation of contrasting backgrounds. Visible emissions observations shall be made during times when the activities described in 30 TAC § 111.111(a)(1)(E) are not taking place. Visible emissions shall be determined with each stationary vent in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 mile, away from each stationary vent during the observation. For outdoor locations, the observer shall select a position where the sun is not directly in the observer's eyes. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor. A certified opacity reader is not required for visible emissions observations.

(5) Compliance Certification:

(a) If visible emissions are not present during the observation, the RO may certify that the source is in compliance with the applicable opacity requirement in 30 TAC § 111.111(a)(1) and (a)(1)(B).

(b) However, if visible emissions are present during the observation, the permit holder shall either list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2) or conduct the appropriate opacity test specified in 30 TAC § 111.111(a)(1)(F) as soon as practicable, but no later than 24 hours after observing visible emissions to determine if the source is in compliance with the opacity requirements. If an opacity test is performed and the source is determined to be in compliance, the RO may certify that the source is in compliance with the applicable opacity requirement. However, if an opacity test is performed and the source is determined to be out of compliance, the permit holder shall list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2). The opacity test must be performed by a certified opacity reader.

(c) Some vents may be subject to multiple visible emission or monitoring requirements. All credible data must be considered when certifying compliance with this requirement even if the observation or monitoring was performed to demonstrate compliance with a different requirement.

B. Certification of opacity readers determining opacities under Method 9 (as outlined in 40 CFR Part 60, Appendix A) to comply with opacity monitoring requirements shall be accomplished by completing the Visible Emissions Evaluators Course, or approved agency equivalent, no more than 180 days before the opacity reading.

C. Emission limits on nonagricultural processes, except for the steam generators specified in 30 TAC § 111.153, shall comply with the following requirements:

(i) Emissions of PM from any source may not exceed the allowable rates as required in 30 TAC § 111.151(a) (relating to Allowable Emissions Limits)

(ii) Sources with an effective stack height (h_e) less than the standard effective stack height (H_e), must reduce the allowable emission level by multiplying it by $[h_e/H_e]^2$ as required in 30 TAC § 111.151(b)

(iii) Effective stack height shall be calculated by the equation specified in 30 TAC § 111.151(c)

4. The permit holder shall comply with the following requirements for units subject to any subpart of 40 CFR Part 60, unless otherwise stated in the applicable subpart:

   A. Title 40 CFR § 60.7 (relating to Notification and Recordkeeping)

   B. Title 40 CFR § 60.8 (relating to Performance Tests)

   C. Title 40 CFR § 60.11 (relating to Compliance with Standards and Maintenance Requirements)

   D. Title 40 CFR § 60.12 (relating to Circumvention)

   E. Title 40 CFR § 60.13 (relating to Monitoring Requirements)

   F. Title 40 CFR § 60.14 (relating to Modification)

   G. Title 40 CFR § 60.15 (relating to Reconstruction)

   H. Title 40 CFR § 60.19 (relating to General Notification and Reporting Requirements)

5. The permit holder shall comply with the requirements of 30 TAC Chapter 113, Subchapter C, § 113.100 for units subject to any subpart of 40 CFR Part 63, unless otherwise stated in the applicable subpart.

Additional Monitoring Requirements

6. The permit holder shall comply with the periodic monitoring requirements as specified in the attached "Periodic Monitoring Summary" upon issuance of the permit. Except for, as applicable, monitoring malfunctions, associated repairs, and required quality assurance or control activities (including, as applicable, calibration checks and required zero and span adjustments), the permit holder shall conduct all monitoring in continuous operation (or shall collect data at all required intervals) at all times that the pollutant-specific emissions unit is operating. The permit holder may elect to collect monitoring data on a more frequent basis and average the data, consistent with the averaging time specified in the "Periodic Monitoring Summary," for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis. In no event shall data be collected and used in particular instances to avoid reporting deviations. Deviations shall be reported according to 30 TAC § 122.145 (Reporting Terms and Conditions).

New Source Review Authorization Requirements

7. Permit holder shall comply with the requirements of New Source Review authorizations issued or claimed by the permit holder for the permitted area, including permits, permits by rule, standard permits, flexible permits, special permits, permits for existing facilities including Voluntary Emissions Reduction Permits and Electric Generating Facility Permits issued under 30 TAC Chapter 116, Subchapter I, or special exemptions referenced in the New Source Review Authorization References attachment. These requirements:

   A. Are incorporated by reference into this permit as applicable requirements

   B. Shall be located with this operating permit

   C. Are not eligible for a permit shield

8. The permit holder shall comply with the general requirements of 30 TAC Chapter 106, Subchapter A or the general requirements, if any, in effect at the time of the claim of any PBR.

9. The permit holder shall maintain records to demonstrate compliance with any emission limitation or standard that is specified in a permit by rule (PBR) or Standard Permit listed in the New Source Review Authorizations attachment. The records shall yield reliable data from the relevant time period that are representative of the emission unit's compliance with the PBR or Standard Permit. These records may include, but are not limited to, production capacity and throughput, hours of operation, safety data sheets (SDS), chemical composition of raw materials, speciation of air contaminant data, engineering calculations, maintenance records, fugitive data, performance tests, capture/control device efficiencies, direct pollutant monitoring (CEMS, COMS, or PEMS), or control device parametric monitoring. These records shall be made readily accessible and available as required by 30 TAC § 122.144. Any monitoring or recordkeeping data indicating noncompliance with the PBR or Standard Permit shall be considered and reported as a deviation according to 30 TAC § 122.145 (Reporting Terms and Conditions).

Compliance Requirements

10. The permit holder shall certify compliance in accordance with 30 TAC § 122.146. The permit holder shall comply with 30 TAC § 122.146 using at a minimum, but not limited to, the continuous or intermittent compliance method data from monitoring, recordkeeping, reporting, or testing required by the permit and any other credible evidence or information. The certification period may not exceed 12 months and the certification must be submitted within 30 days after the end of the period being certified.

11. Permit holder shall comply with the following 30 TAC Chapter 117 requirements:

    A. The permit holder shall comply with the compliance schedules and submit written notification to the Executive Director as required in 30 TAC Chapter 117, Subchapter H, Division 1:

        (i) For electric utilities in the Dallas-Fort Worth Eight-Hour Nonattainment area, 30 TAC § 117.9130

    B. The permit holder shall comply with the compliance schedules and submit written notification to the TCEQ Executive Director as required in 30 TAC Chapter 117, Subchapter H, Division 1:

        (i) For sources in the Dallas-Fort Worth Eight-Hour Nonattainment area, 30 TAC § 117.9030

    C. The permit holder shall comply with the Initial Control Plan unit identification requirements in 30 TAC § 117.450(a) and (a)(1).

    D. The permit holder shall comply with the requirements of 30 TAC § 117.454 for Final Control Plan Procedures for Attainment Demonstration Emission Specifications and 30 TAC § 117.456 for Revision of Final Control Plan.

12. Use of Emission Credits to comply with applicable requirements:

    A. Unless otherwise prohibited, the permit holder may use emission credits to comply with the following applicable requirements listed elsewhere in this permit:

        (i) Title 30 TAC Chapter 115

        (ii) Title 30 TAC Chapter 117

        (iii) Offsets for Title 30 TAC Chapter 116

    B. The permit holder shall comply with the following requirements in order to use the emission credits to comply with the applicable requirements:

        (i) The permit holder must notify the TCEQ according to 30 TAC § 101.306(c)(2)

        (ii) The emission credits to be used must meet all the geographic, timeliness, applicable pollutant type, and availability requirements listed in 30 TAC Chapter 101, Subchapter H, Division 1

        (iii) The executive director has approved the use of the credit according to 30 TAC § 101.306(c)(2)

(iv) The permit holder keeps records of the use of credits towards compliance with the applicable requirements in accordance with 30 TAC § 101.302(g) and 30 TAC Chapter 122

(v) Title 30 TAC § 101.305 (relating to Emission Reductions Achieved Outside the United States)

13. Use of Discrete Emission Credits to comply with the applicable requirements:

A. Unless otherwise prohibited, the permit holder may use discrete emission credits to comply with the following applicable requirements listed elsewhere in this permit:

(i) Title 30 TAC Chapter 115

(ii) Title 30 TAC Chapter 117

(iii) If applicable, offsets for Title 30 TAC Chapter 116

(iv) Temporarily exceed state NSR permit allowables

B. The permit holder shall comply with the following requirements in order to use the credit to comply with the applicable requirements:

(i) The permit holder must notify the TCEQ according to 30 TAC § 101.376(d)

(ii) The discrete emission credits to be used must meet all the geographic, timeliness, applicable pollutant type, and availability requirements listed in 30 TAC Chapter 101, Subchapter H, Division 4

(iii) The executive director has approved the use of the discrete emission credits according to 30 TAC § 101.376(d)(1)(A)

(iv) The permit holder keeps records of the use of credits towards compliance with the applicable requirements in accordance with 30 TAC § 101.372(h) and 30 TAC Chapter 122

(v) Title 30 TAC § 101.375 (relating to Emission Reductions Achieved Outside the United States)

Alternative Requirements

14. The permit holder shall comply with the approved alternative means of control (AMOC); alternative monitoring, recordkeeping, or reporting requirements; or requirements determined to be equivalent to an otherwise applicable requirement contained in the Alternative Requirements attachment of this permit. Units complying with an approved alternative requirement have

reference to the approval in the Applicable Requirements summary listing for the unit. The permit holder shall maintain the original documentation, from the TCEQ Executive Director, demonstrating the method or limitation utilized. Documentation shall be maintained and made available in accordance with 30 TAC § 122.144.

Permit Location

15. The permit holder shall maintain a copy of this permit and records related to requirements listed in this permit on site.

Permit Shield (30 TAC § 122.148)

16. A permit shield is granted for the emission units, groups, or processes specified in the attached "Permit Shield." Compliance with the conditions of the permit shall be deemed compliance with the specified potentially applicable requirements or specified potentially applicable state-only requirements listed in the attachment "Permit Shield." Permit shield provisions shall not be modified by the executive director until notification is provided to the permit holder. No later than 90 days after notification of a change in a determination made by the executive director, the permit holder shall apply for the appropriate permit revision to reflect the new determination. Provisional terms are not eligible for this permit shield. Any term or condition, under a permit shield, shall not be protected by the permit shield if it is replaced by a provisional term or condition or the basis of the term and condition changes.

Acid Rain Permit Requirements

17. For units U1, U2, U3, U4, U5, and U6 (identified in the Certificate of Representation as units U1, U2, U3, U4, U5, and U6), located at the affected source identified by ORIS/Facility code 55480, the designated representative and the owner or operator, as applicable, shall comply with the following Acid Rain Permit requirements.

    A. General Requirements

        (i) Under 30 TAC § 122.12(1) and 40 CFR Part 72, the Acid Rain Permit requirements contained here are a separable portion of the Federal Operating Permit (FOP) and have an independent public comment process which may be separate from, or combined with the FOP.

        (ii) The owner and operator shall comply with the requirements of 40 CFR Part 72 and 40 CFR Part 76. Any noncompliance with the Acid Rain Permit will be considered noncompliance with the FOP and may be subject to enforcement action.

(iii) The owners and operators of the affected source shall operate the source and the unit in compliance with the requirements of this Acid Rain Permit and all other applicable State and federal requirements.

(iv) The owners and operators of the affected source shall comply with the General Terms and Conditions of the FOP that incorporates this Acid Rain Permit.

(v) The term for the Acid Rain permit shall commence with the issuance of the FOP that incorporates the Acid Rain permit and shall be run concurrent with the remainder of the term of the FOP. Renewal of the Acid Rain permit shall coincide with the renewal of the FOP that incorporates the Acid Rain permit and subsequent terms shall be no more than five years from the date of renewal of the FOP and run concurrent with the permit term of the FOP.

B. Monitoring Requirements

(i) The owners and operators, and the designated representative, of the affected source and each affected unit at the source shall comply with the monitoring requirements contained 40 CFR Part 75.

(ii) The emissions measurements recorded and reported in accordance with 40 CFR Part 75 and any other credible evidence shall be used to determine compliance by the affected source with the acid rain emissions limitations and emissions reduction requirements for SO_2 and NO_x under the ARP.

(iii) The requirements of 40 CFR Part 75 shall not affect the responsibility of the owners and operators to monitor emission of other pollutants or other emissions characteristics at the unit under other applicable requirements of the FCAA Amendments (42 U.S.C. 7401, as amended November 15, 1990) and other terms and conditions of the operating permit for the source.

C. SO_2 emissions requirements

(i) The owners and operators of each source and each affected unit at the source shall comply with the applicable acid rain emissions limitations for SO_2.

(ii) As of the allowance transfer deadline the owners and operators of the affected source and each affected unit at the source shall hold, in the unit's compliance subaccount, allowances in an amount not less than the total annual emissions of SO_2 for the previous calendar year.

(iii) Each ton of SO_2 emitted in excess of the acid rain emissions limitations for SO_2 shall constitute a separate violation of the FCAA amendments.

(iv) An affected unit shall be subject to the requirements under (i) and (ii) of the SO_2 emissions requirements as follows:

(1) Starting January 1, 2000, an affected unit under 40 CFR § 72.6(a)(2); or

(2) Starting on the later of January 1, 2000 or the deadline for monitor certification under 40 CFR Part 75, an affected unit under 40 CFR § 72.6(a)(3).

(v) Allowances shall be held in, deducted from, or transferred into or among Allowance Tracking System accounts in accordance with the requirements of the ARP.

(vi) An allowance shall not be deducted, for compliance with the requirements of this permit, in a calendar year before the year for which the allowance was allocated.

(vii) An allowance allocated by the EPA Administrator or under the ARP is a limited authorization to emit SO_2 in accordance with the ARP. No provision of the ARP, Acid Rain permit application, this Acid Rain Permit, or an exemption under 40 CFR §§ 72.7 or 72.8 and no provision of law shall be construed to limit the authority of the United States to terminate or limit such authorization.

(viii) An allowance allocated by the EPA Administrator under the ARP does not constitute a property right.

D. NO_x Emission Requirements

(i) The owners and operators of the source and each affected unit at the source shall comply with the applicable acid rain emissions limitations for NO_x under 40 CFR Part 76.

E. Excess emissions requirements for SO_2 and NO_x.

(i) The designated representative of an affected unit that has excess emissions in any calendar year shall submit a proposed offset plan, as required under 40 CFR Part 77.

(ii) If an affected source has excess emissions in any calendar year shall, as required by 40 CFR Part 77:

(1) Pay, without demand, the penalty required and pay, upon demand, the interest on that penalty.

(2) Comply with the terms of an approved offset plan.

F. Recordkeeping and Reporting Requirements

(i) Unless otherwise provided, the owners and operators of the affected source and each affected unit at the source shall keep on site at the source each of the following documents for a period of 5 years from the date the document is created. This period may be extended for cause, at any time before the end of 5 years, in writing by the permitting authority or the EPA Administrator.

(1) The certificate of representation for the designated representative for the source and each affected unit and all documents that demonstrate the truth of the statements in the certificate of representation, in accordance with 40 CFR § 72.24; provided that the certificate and documents shall be retained on site at the source beyond such 5-year period until such documents are superseded because of the submission of a new certificate of representation changing the designated representative.

(2) All emissions monitoring information, in accordance with 40 CFR Part 75, provided that to the extent that 40 CFR Part 75 provides for a 3-year period for recordkeeping (rather than a five-year period cited in 30 TAC § 122.144), the 3-year period shall apply.

(3) Copies of all reports, compliance certifications, and other submissions and all records made or required under the ARP or relied upon for compliance certification.

(4) Copies of all documents used to complete an acid rain permit application and any other submission under the ARP or to demonstrate compliance with the requirements of the ARP.

(ii) The designated representative of an affected source and each affected unit at the source shall submit the reports required under the ARP including those under 40 CFR Part 72, Subpart I and 40 CFR Part 75.

G. Liability

(i) Any person who knowingly violates any requirement or prohibition of the ARP, a complete acid rain permit application, an acid rain permit, or a written exemption under 40 CFR §§ 72.7 or 72.8, including any requirement for the payment of any penalty owed to the United States, shall be subject to enforcement pursuant to FCAA § 113(c).

(ii) Any person who knowingly makes a false, material statement in any record, submission, or report under the ARP shall be subject to criminal enforcement pursuant to FCAA § 113(c) and 18 U.S.C. 1001.

(iii) No permit revision shall excuse any violation of the requirements of the ARP that occurs prior to the date that the revision takes effect.

(iv) The affected source and each affected unit shall meet the requirements of the ARP contained in 40 CFR Parts 72 through 78.

(v) Any provision of the ARP that applies to an affected source or the designated representative of an affected source shall also apply to the owners and operators of such source and of the affected units at the source.

(vi) Any provision of the ARP that applies to an affected unit (including a provision applicable to the DR of an affected unit) shall also apply to the owners and operators of such unit. Except as provided under 40 CFR § 72.44 (Phase II repowering extension plans) and 40 CFR § 76.11 (NO_x averaging plans), and except with regard to the requirements applicable to units with a common stack under 40 CFR Part 75 (including 40 CFR §§ 75.16, 75.17, and 75.18), the owners and operators and the DR of one affected unit shall not be liable for any violation by any other affected unit of which they are not owners or operators or the DR and that is located at a source of which they are not owners or operators or the DR.

(vii) Each violation of a provision of 40 CFR Parts 72, 73, 74, 75, 76, 77, and 78 by an affected source or affected unit, or by an owner or operator or DR of such source or unit, shall be a separate violation of the FCAA Amendments.

H. Effect on other authorities. No provision of the ARP, an acid rain permit application, an acid rain permit, or an exemption under 40 CFR §§ 72.7 or 72.8 shall be construed as:

(i) Except as expressly provided in Title IV of the FCAA Amendments, exempting or excluding the owners and operators and, to the extent applicable, the DR of an affected source or affected unit from compliance with any other provision of the FCAA Amendments, including the provisions of Title I of the FCAA Amendments relating to applicable National Ambient Air Quality Standards or State Implementation Plans.

(ii) Limiting the number of allowances a unit can hold; provided, that the number of allowances held by the unit shall not affect the

source's obligation to comply with any other provisions of the FCAA Amendments.

(iii) Requiring a change of any kind in any state law regulating electric utility rates and charges, affecting any state law regarding such state regulation, or limiting such state regulation, including any prudence review requirements under such state law.

(iv) Modifying the Federal Power Act or affecting the authority of the Federal Energy Regulatory Commission under the Federal Power Act; or,

(v) Interfering with or impairing any program for competitive bidding for power supply in a state in which such program is established.

I. The number of SO_2 allowances allocated by the EPA in 40 CFR Part 73 is enforceable only by the EPA Administrator.

Clean Air Interstate Rule Permit Requirements

18. For units U1, U2, U3, U4, U5, and U6 (identified in the Certificate of Representation as units U1, U2, U3, U4, U5, and U6), located at the site identified by ORIS/Facility code 55480, the designated representative and the owner or operator, as applicable, shall comply with the following Clean Air Interstate Rule (CAIR) Permit requirements. Until approval of the Texas CAIR SIP by EPA, the permit holder shall comply with the equivalent requirements of 40 CFR Part 97 in place of the referenced 40 CFR Part 96 requirements in the Texas CAIR permit and 30 TAC Chapter 122 requirements.

A. General Requirements

(i) Under 30 TAC § 122.420(b) and 40 CFR §§ 96.120(b) and 96.220(b) the CAIR Permit requirements contained here are a separable portion of the Federal Operating Permit (FOP).

(ii) The owners and operators of the CAIR NO_x and the CAIR SO_2 source shall operate the source and the unit in compliance with the requirements of this CAIR permit and all other applicable State and federal requirements.

(iii) The owners and operators of the CAIR NO_x and the CAIR SO_2 source shall comply with the General Terms and Conditions of the FOP that incorporates this CAIR Permit.

(iv) The term for the initial CAIR permit shall commence with the issuance of the revision containing the CAIR permit and shall be the remaining term for the FOP that incorporates the CAIR permit. Renewal of the initial CAIR permit shall coincide with the renewal

of the FOP that incorporates the CAIR permit and subsequent terms shall be no more than five years from the date of renewal of the FOP and run concurrent with the permit term of the FOP.

B. Monitoring and Reporting Requirements

(i) The owners and operators, and the CAIR designated representative, of the CAIR NO_x source and each CAIR NO_x unit at the source shall comply with the monitoring, reporting, and recordkeeping requirements contained 40 CFR Part 96, Subpart HH.

(ii) The owners and operators, and the CAIR designated representative, of the CAIR SO_2 source and each CAIR SO_2 unit at the source shall comply with the monitoring, reporting, and recordkeeping requirements contained 40 CFR Part 96, Subpart HHH.

(iii) The emissions measurements recorded and reported in accordance with 40 CFR Part 96, Subpart HH and any other credible evidence shall be used to determine compliance by the CAIR NO_x source with the CAIR NO_x emissions limitation.

(iv) The emissions measurements recorded and reported in accordance with 40 CFR Part 96, Subpart HHH and any other credible evidence shall be used to determine compliance by the CAIR SO_2 source with the CAIR SO_2 emissions limitation.

C. NO_x emissions requirements

(i) As of the allowance transfer deadline for a control period, the owners and operators of the CAIR NO_x source and each CAIR NO_x unit at the source shall hold, in the source's compliance account, CAIR NO_x allowances available for compliance deductions for the control period under 40 CFR § 96.154(a) in an amount not less than the tons of total nitrogen oxides emissions for the control period from all CAIR NO_x units at the source, as determined in accordance with the requirements of 40 CFR Part 96, Subpart HH.

(ii) A CAIR NO_x unit shall be subject to the requirements of paragraph C.(i) of this CAIR Permit starting on the later of January 1, 2009, or the deadline for meeting the unit's monitor certification requirements under 40 CFR § 96.170(b)(1), (2), or (5).

(iii) A CAIR NO_x allowance shall not be deducted, for compliance with the requirements of this permit, for a control period in a calendar year before the year for which the CAIR NO_x allowance was allocated.

(iv) CAIR NO_x allowances shall be held in, deducted from or transferred into or among CAIR NO_x Allowance Tracking System accounts in accordance with the requirements of 40 CFR Part 96, Subpart FF or Subpart GG.

(v) A CAIR NO_x allowance is a limited authorization to emit one ton of nitrogen oxides in accordance with the CAIR NO_x Annual Trading Program. No provision of the CAIR NO_x Annual Trading Program, the CAIR permit application, the CAIR permit, or an exemption under 40 CFR § 96.105 and no provision of law shall be construed to limit the authority of the State or the United States to terminate or limit such authorization.

(vi) A CAIR NO_x allowance does not constitute a property right.

(vii) Upon recordation by the Administrator under 40 CFR Part 96, Subpart FF or Subpart GG, every allocation, transfer, or deduction of a CAIR NO_x allowance to or from a CAIR NO_x unit's compliance account is incorporated automatically in this CAIR permit.

D. NO_x excess emissions requirement

(i) If a CAIR NO_x source emits nitrogen oxides during any control period in excess of the CAIR NO_x emissions limitation, the owners and operators of the source and each CAIR NO_x unit at the source shall surrender the CAIR NO_x allowances required for deduction under 40 CFR § 96.154(d)(1) and pay any fine, penalty, or assessment or comply with any other remedy imposed, for the same violations, under the Clean Air Act or applicable State law.

(ii) Each ton of such excess emissions and each day of such control period shall constitute a separate violation of 40 CFR Part 96, Subpart AA, the Clean Air Act, and applicable State law.

E. SO_2 emissions requirements

(i) As of the allowance transfer deadline for a control period, the owners and operators of the CAIR SO_2 source and each CAIR SO_2 unit at the source shall hold, in the source's compliance account, CAIR SO_2 allowances available for compliance deductions for the control period under 40 CFR § 96.254(a) and (b) in an amount not less than the tons of total sulfur dioxides emissions for the control period from all CAIR SO_2 units at the source, as determined in accordance with the requirements of 40 CFR Part 96, Subpart HHH.

(ii) A CAIR SO_2 unit shall be subject to the requirements of paragraph E.(i) of this CAIR Permit starting on the later of January 1, 2010, or

the deadline for meeting the unit's monitor certification requirements under 40 CFR § 96.270(b)(1), (2), or (5).

(iii) A CAIR SO_2 allowance shall not be deducted, for compliance with the requirements of this permit, for a control period in a calendar year before the year for which the CAIR SO_2 allowance was allocated.

(iv) CAIR SO_2 allowances shall be held in, deducted from, or transferred into or among CAIR SO_2 Allowance Tracking System accounts in accordance with the requirements of 40 CFR Part 96, Subpart FFF or Subpart GGG.

(v) A CAIR SO_2 allowance is a limited authorization to emit sulfur dioxide in accordance with the CAIR SO_2 Trading Program. No provision of the CAIR SO_2 Trading Program, the CAIR permit application, the CAIR permit, or an exemption under 40 CFR § 96.205 and no provision of law shall be construed to limit the authority of the State or the United States to terminate or limit such authorization.

(vi) A CAIR SO_2 allowance does not constitute a property right.

(vii) Upon recordation by the Administrator under 40 CFR Part 96, Subpart FFF or Subpart GGG, every allocation, transfer, or deduction of a CAIR SO_2 allowance to or from a CAIR SO_2 unit's compliance account is incorporated automatically in this CAIR permit.

F. SO_2 excess emissions requirements

(i) If a CAIR SO_2 source emits sulfur dioxides during any control period in excess of the CAIR SO_2 emissions limitation, the owners and operators of the source and each CAIR SO_2 unit at the source shall surrender the CAIR SO_2 allowances required for deduction under 40 CFR § 96.254(d)(1) and pay any fine, penalty, or assessment or comply with any other remedy imposed, for the same violations, under the Clean Air Act or applicable State law.

(ii) Each ton of such excess emissions and each day of such control period shall constitute a separate violation of 40 CFR Part 96, Subpart AAA, the Clean Air Act, and applicable State law.

G. Recordkeeping and Reporting Requirements

(i) Unless otherwise provided, the owners and operators of the CAIR NO_x source and each CAIR NO_x unit at the source and the CAIR SO_2 source and each CAIR SO_2 unit at the source shall keep on site at

the source each of the following documents for a period of 5 years from the date the document is created. This period may be extended for cause, at any time before the end of 5 years, in writing by the permitting authority or the Administrator.

(1) The certificate of representation under 40 CFR §§ 96.113 and 96.213 for the CAIR NO_x designated representative for the source and each CAIR NO_x unit and the CAIR SO_2 designated representative for the source and each CAIR SO_2 unit at the source and all documents that demonstrate the truth of the statements in the certificate of representation; provided that the certificate and documents shall be retained on site at the source beyond such 5 year period until such documents are superseded because of the submission of a new certificate of representation under 40 CFR §§ 96.113 and 96.213 changing the CAIR designated representative.

(2) All emissions monitoring information, in accordance with 40 CFR Part 96, Subpart HH and Subpart HHH, provided that to the extent that these subparts provide for a 3-year period for recordkeeping, the 3-year period shall apply.

(3) Copies of all reports, compliance certifications, and other submissions and all records made or required under the CAIR NO_x Annual Trading Program and CAIR SO_2 Trading Program or relied upon for compliance determinations.

(4) Copies of all documents used to complete a CAIR permit application and any other submission under the CAIR NO_x Annual Trading Program and CAIR SO_2 Trading Program or to demonstrate compliance with the requirements of the CAIR NO_x Annual Trading Program and CAIR SO_2 Trading Program.

(ii) The CAIR designated representative of a CAIR NO_x source and each CAIR NO_x unit at the source and a CAIR SO_2 source and each CAIR SO_2 unit at the source shall submit the reports required under the CAIR NO_x Annual Trading Program and the CAIR SO_2 Trading Program including those under 40 CFR Part 96, Subpart HH and Subpart HHH.

H. The CAIR NO_x source and each CAIR NO_x unit shall meet the requirements of the CAIR NO_x Annual Trading Program contained in 40 CFR Part 96, Subparts AA through II.

I. The CAIR SO_2 source and each CAIR SO_2 unit shall meet the requirements of the CAIR SO_2 Trading Program contained in 40 CFR Part 96, Subparts AAA through III.

J. Any provision of the CAIR NO_x Annual Trading Program and the CAIR SO_2 Trading Program that applies to a CAIR NO_x source or CAIR SO_2 source or the CAIR designated representative of a CAIR NO_x source or CAIR SO_2 source shall also apply to the owners and operators of such source and the units at the source.

K. Any provision of the CAIR NO_x Annual Trading Program and the CAIR SO_2 Trading Program that applies to a CAIR NO_x unit or CAIR SO_2 unit or the CAIR designated representative of a CAIR NO_x unit or CAIR SO_2 unit shall also apply to the owners and operators of such unit.

L. No provision of the CAIR NO_x Annual Trading Program, CAIR SO_2 Trading Program, a CAIR permit application, a CAIR permit, or an exemption under 40 CFR §§ 96.105 or 96.205 shall be construed as exempting or excluding the owners and operators, and the CAIR designated representative, of a CAIR NO_x source or CAIR NO_x unit or a CAIR SO_2 source or CAIR SO_2 unit from compliance with any other provision of the applicable, approved State implementation plan, a federally enforceable permit, or the Clean Air Act.

Attachments

Applicable Requirements Summary

Additional Monitoring Requirements

Permit Shield

New Source Review Authorization References

Alternative Requirement

Applicable Requirements Summary

Note: A "none" entry may be noted for some emission sources in this permit's "Applicable Requirements Summary" under the heading of "Monitoring and Testing Requirements" and/or "Recordkeeping Requirements" and/or "Reporting Requirements." Such a notation indicates that there are no requirements for the indicated emission source as identified under the respective column heading(s) for the stated portion of the regulation when the emission source is operating under the conditions of the specified SOP Index Number. However, other relevant requirements pursuant to 30 TAC Chapter 122 including Recordkeeping Terms and Conditions (§ 122.144), Reporting Terms and Conditions (§ 122.145), and Compliance Certification Terms and Conditions (§ 122.146) continue to apply.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
ADMINGEN	SRIC Engines	N/A	60IIII-1	40 CFR Part 60, Subpart IIII	No changing attributes.
ADMINGEN	SRIC Engines	N/A	63ZZZZ-1	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
CONDTANK	Storage Tanks/Vessels	N/A	115B-1	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
DIES-TANK1	Storage Tanks/Vessels	N/A	115B-1	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
EMGEN	SRIC Engines	N/A	63ZZZZ-1	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
GRP-HRSG	Boilers/Steam Generators/ Steam Generating Units	U1, U2, U3, U4, U5, U6	117C-1	30 TAC Chapter 117, Utility Electric Generation	No changing attributes.
GRP-HRSG	Boilers/Steam Generators/ Steam Generating Units	U1, U2, U3, U4, U5, U6	60Da-1	40 CFR Part 60, Subpart Da	No changing attributes.
GRP-STACK	Emission Points/ Stationary Vents/ Process Vents	U1, U2, U3, U4, U5, U6	111A-1	30 TAC Chapter 111, Visible Emissions	No changing attributes.
GRP-TURBINES	Stationary Turbines	U1, U2, U3, U4, U5, U6	117C-1	30 TAC Chapter 117, Utility Electric Generation	No changing attributes.
GRP-TURBINES	Stationary Turbines	U1, U2, U3, U4, U5, U6	60GG-1	40 CFR Part 60, Subpart GG	No changing attributes.
WTRPMP	SRIC Engines	N/A	63ZZZZ-1	40 CFR Part 63, Subpart ZZZZ	No changing attributes.

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
ADMINGEN	EU	60IIII-1	CO	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218 § 89.112(a)	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a maximum engine power greater than or equal to 37 KW and less than 130 KW and a displacement of less than 10 liters per cylinder and is a 2007 model year and later must comply with a CO emission limit of 5.0 g/KW-hr, as stated in 40 CFR 60.4202(a)(2) and 40 CFR 89.112(a).	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)
ADMINGEN	EU	60IIII-1	NMHC and NO_X	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218 § 89.112(a)	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a maximum engine power greater than or equal to 75 KW and less than or equal to 560 KW and a displacement of less than 10 liters per cylinder and is a 2007 model year and later must comply with an NMHC+NOx emission limit of 4.0 g/KW-hr, as stated in 40 CFR 60.4202(a)(2) and 40 CFR 89.112(a).	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)
ADMINGEN	EU	60IIII-1	PM (OPACITY)	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f)	Emergency stationary CI ICE, that are not fire pump engines, with displacement < 10 lpc and not constant-speed engines, with max engine power < 2237 KW and a 2007 model year and	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 60.4218 § 89.113(a)(1) § 89.113(a)(2) § 89.113(a)(3)	later or max engine power > 2237 KW and a 2011 model year and later, must comply with following opacity emission limits: 20% during acceleration, 15% during lugging, 50% during peaks in either acceleration or lugging modes as stated in §60.4202(a)(1)-(2), (b)(2) and §89.113(a)(1)-(3) and §1039.105(b)(1)-(3).			
ADMINGEN	EU	60IIII-1	PM	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218 § 89.112(a)	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a maximum engine power greater than or equal to 75 KW and less than 130 KW and a displacement of less than 10 liters per cylinder and is a 2007 model year and later must comply with a PM emission limit of 0.30 g/KW-hr, as stated in 40 CFR 60.4202(a)(2) and 40 CFR 89.112(a).	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)
ADMINGEN	EU	63ZZZZ-1	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6590(c)	Stationary RICE subject to Regulations under 40 CFR Part 60. An affected source that meets any of the criteria in paragraphs (c)(1) through (7) of this section must meet the requirements of this part by meeting the requirements of 40 CFR	None	None	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						part 60 subpart IIII, for compression ignition engines or 40 CFR part 60 subpart JJJJ, for spark ignition engines as applicable. No further requirements apply for such engines under this part.			
CONDTANK	EU	115B-1	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a)(1)	Except as provided in § 115.118, a storage tank storing VOC with a true vapor pressure less than 1.5 psia is exempt from the requirements of this division.	[G]§ 115.117	§ 115.118(a)(1) § 115.118(a)(5) § 115.118(a)(7)	None
DIES-TANK1	EU	115B-1	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a)(1)	Except as provided in § 115.118, a storage tank storing VOC with a true vapor pressure less than 1.5 psia is exempt from the requirements of this division.	[G]§ 115.117	§ 115.118(a)(1) § 115.118(a)(5) § 115.118(a)(7)	None
EMGEN	EU	63ZZZZ-1	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6603(a)-Table2d.4 § 63.6595(a)(1) § 63.6605(a) § 63.6605(b) § 63.6625(e) § 63.6625(h) § 63.6625(i) § 63.6640(b) § 63.6640(f)(1) [G]§ 63.6640(f)(2) [G]§ 63.6640(f)(4)	For each existing emergency stationary CI RICE and black start stationary CI RICE, located at an area source, you must comply with the requirements as specified in Table 2d.4.a-c.	§ 63.6625(f) § 63.6625(i) § 63.6640(a) § 63.6640(a)-Table6.9.a.i § 63.6640(a)-Table6.9.a.ii § 63.6640(b)	§ 63.6625(i) § 63.6655(a) § 63.6655(a)(1) § 63.6655(d) § 63.6655(e) § 63.6655(f) § 63.6660(a) § 63.6660(b) § 63.6660(c)	§ 63.6640(b) § 63.6640(e) § 63.6650(f)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
GRP-HRSG	EU	117C-1	NO_x	30 TAC Chapter 117, Utility Electric Generation	§ 117.1300 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 30 TAC Chapter 117, Utility Electric Generation	The permit holder shall comply with the applicable requirements of 30 TAC Chapter 117, Utility Electric Generation	The permit holder shall comply with the applicable monitoring and testing requirements of 30 TAC Chapter 117, Utility Electric Generation	The permit holder shall comply with the applicable recordkeeping requirements of 30 TAC Chapter 117, Utility Electric Generation	The permit holder shall comply with the applicable reporting requirements of 30 TAC Chapter 117, Utility Electric Generation
GRP-HRSG	EU	60Da-1	SO2	40 CFR Part 60, Subpart Da	§ 60.40Da(a) The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 60, Subpart Da	The permit holder shall comply with the applicable requirements of 40 CFR Part 60, Subpart Da	** See Periodic Monitoring Summary	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 60, Subpart Da	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 60, Subpart Da
GRP-STACK	EP	111A-1	PM (OPACITY)	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(B) § 111.111(a)(1)(E) § 111.111(a)(3)	Visible emissions from any stationary vent shall not exceed an opacity of 20% averaged over a six minute period for any source on which construction was begun after January 31, 1972.	[G]§ 111.111(a)(1)(F) ** See Periodic Monitoring Summary	None	None
GRP-TURBINES	EU	117C-1	NO_x	30 TAC Chapter 117, Utility Electric Generation	§ 117.1300 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 30 TAC Chapter 117, Utility Electric Generation	The permit holder shall comply with the applicable requirements of 30 TAC Chapter 117, Utility Electric Generation	The permit holder shall comply with the applicable monitoring and testing requirements of 30 TAC Chapter 117, Utility Electric Generation	The permit holder shall comply with the applicable recordkeeping requirements of 30 TAC Chapter 117, Utility Electric Generation	The permit holder shall comply with the applicable reporting requirements of 30 TAC Chapter 117, Utility Electric Generation

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
GRP-TURBINES	EU	60GG-1	SO_2	40 CFR Part 60, Subpart GG	§ 60.333(b)	No stationary gas turbine shall burn any fuel which contains sulfur in excess of 0.8% by weight.	§ 60.334(h) [G]§ 60.334(h)(3)	None	None
GRP-TURBINES	EU	60GG-1	NO_X	40 CFR Part 60, Subpart GG	§ 60.332(a)(1) § 60.332(a)(3)	No owner or operator shall discharge into the atmosphere from any stationary gas turbine, any gases which contain nitrogen oxides in excess of the amount as determined from the specified equation.	[G]§ 60.334(b) § 60.334(j) § 60.334(j)(1) [G]§ 60.334(j)(1)(iii) [G]§ 60.335(a) § 60.335(b)(2) § 60.335(b)(3) ** See Alternative Requirement	[G]§ 60.334(b)	§ 60.334(j) § 60.334(j)(5)
WTRPMP	EU	63ZZZZ-1	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6603(a)-Table2d.4 § 63.6595(a)(1) § 63.6605(a) § 63.6605(b) § 63.6625(e) § 63.6625(h) § 63.6625(i) § 63.6640(b) § 63.6640(f)(1) [G]§ 63.6640(f)(2) [G]§ 63.6640(f)(4)	For each existing emergency stationary CI RICE and black start stationary CI RICE, located at an area source, you must comply with the requirements as specified in Table 2d.4.a-c.	§ 63.6625(f) § 63.6625(i) § 63.6640(a) § 63.6640(a)-Table6.9.a.i § 63.6640(a)-Table6.9.a.ii § 63.6640(b)	§ 63.6625(i) § 63.6655(a) § 63.6655(a)(1) § 63.6655(d) § 63.6655(e) § 63.6655(f) § 63.6660(a) § 63.6660(b) § 63.6660(c)	§ 63.6640(b) § 63.6640(e) § 63.6650(f)

Additional Monitoring Requirements

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: GRP-HRSG	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart Da	SOP Index No.: 60Da-1
Pollutant:	Main Standard: § 60.40Da(a)
Monitoring Information	
Indicator: Natural Gas Sulfur Content	
Minimum Frequency: Semi-annually*	
Averaging Period: N/A	
Deviation Limit: Sulfur content of 0.23% (equivalent to 0.20 lb - SO2/MMBtu)	
Periodic Monitoring Text: The permit holder shall conduct fuel sampling using the methods and procedures of the Custom Fuel Monitoring Schedule (CFMS) dated 08/08/2003. SO2 limits shall be based on 100% conversion of sulfur in the fuel to SO2. If the sulfur content is greater than the established deviation limit, the permit holder shall report a deviation. * Sulfur monitoring shall be conducted twice per annum; during the first and third quarters of each calendar year. If a sulfur analysis indicates noncompliance, the permit holder shall notify TCEQ within two weeks. Thereafter, sulfur monitoring shall be conducted weekly while TCEQ re-examines the CFMS. In addition, if there is a change in fuel supply or supplier, the permit holder shall be required to sample the fuel daily for two weeks to re-establish compliance.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: GRP-STACK	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: 111A-1
Pollutant: PM (OPACITY)	Main Standard: § 111.111(a)(1)(B)
Monitoring Information	
Indicator: Fuel Type	
Minimum Frequency: Annually or at any time an alternate fuel is used	
Averaging Period: n/a	
Deviation Limit: It is a deviation if an alternate fuel is fired and visible emissions are present; if Test Method 9 is performed to determine opacity, the opacity shall not exceed 20%.	
Periodic Monitoring Text: Record the type of fuel used by the unit. If an alternate fuel is fired, either alone or in combination with the specified gas, for a period greater than or equal to 24 consecutive hours it shall be considered and reported as a deviation or the permit holder shall conduct an observation of the stationary vent for each such period to determine if visible emissions are observed. Any time an alternate fuel is fired for a period of greater than 7 consecutive days then visible emissions observations will be conducted no less than once per week. Documentation of all observations shall be maintained. If visible emissions are present during the firing of an alternate fuel, the permit holder shall either list this occurrence as a deviation or the permit holder may determine the opacity consistent with Test Method 9. Any opacity readings that are above the opacity limit from the underlying applicable requirement shall be reported as a deviation.	

Permit Shield

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
CONDTANK	N/A	40 CFR Part 60, Subpart Kb	Storage vessel capacity is less than 75 m3.
DIES-TANK1	N/A	40 CFR Part 60, Subpart Kb	Storage vessel capacity is less than 75 m3.
DIES-TANK2	N/A	30 TAC Chapter 115, Storage of VOCs	Storage vessel capacity is less than 1000 gallons.
DIES-TANK2	N/A	40 CFR Part 60, Subpart Kb	Storage vessel capacity is less than 75 m3.
DIES-TANK3	N/A	30 TAC Chapter 115, Storage of VOCs	Storage vessel capacity is less than 1000 gallons.
DIES-TANK3	N/A	40 CFR Part 60, Subpart Kb	Storage vessel capacity is less than 75 m3.
EMGEN	N/A	40 CFR Part 60, Subpart IIII	Stationary CI ICE was manufactured prior to and was not modified/reconstructed after 07/11/2005.
GRP-TOWERS	CT-1, CT-2	40 CFR Part 63, Subpart Q	Industrial process cooling tower has not operated with chromium-based water treatment chemicals after 09/08/1994.
GRP-TURBINES	U1, U2, U3, U4, U5, U6	40 CFR Part 60, Subpart KKKK	Stationary combustion turbine commenced construction prior to and was not modified/reconstructed after 02/18/2005.
WTRPMP	N/A	40 CFR Part 60, Subpart IIII	Stationary CI ICE was manufactured prior to and was not modified/reconstructed after 07/11/2005.

New Source Review Authorization References

New Source Review Authorization References

The New Source Review authorizations listed in the table below are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Prevention of Significant Deterioration (PSD) Permits	
PSD Permit No.: PSDTX951	Issuance Date: 07/12/2013
Title 30 TAC Chapter 116 Permits, Special Permits, and Other Authorizations (Other Than Permits By Rule, PSD Permits, or NA Permits) for the Application Area.	
Authorization No.: 41953	Issuance Date: 07/12/2013
Permits By Rule (30 TAC Chapter 106) for the Application Area	
Number: 106.144	Version No./Date: 09/04/2000
Number: 106.227	Version No./Date: 09/04/2000
Number: 106.263	Version No./Date: 11/01/2001
Number: 106.265	Version No./Date: 09/04/2000
Number: 106.373	Version No./Date: 09/04/2000
Number: 106.374	Version No./Date: 09/04/2000
Number: 106.452	Version No./Date: 09/04/2000
Number: 106.454	Version No./Date: 11/01/2001
Number: 106.472	Version No./Date: 09/04/2000
Number: 106.473	Version No./Date: 09/04/2000
Number: 106.478	Version No./Date: 09/04/2000
Number: 106.511	Version No./Date: 09/04/2000

New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
ADMINGEN	JOHN DEERE 4045HF285 CI ICE - 79 KW	106.511/09/04/2000
CONDTANK	NATURAL GAS CONDENSATE STORAGE TANK	106.478/09/04/2000
CT-1	COOLING TOWER	41953, PSDTX951
CT-2	COOLING TOWER	41953, PSDTX951
DIES-TANK1	DIESEL STORAGE TANK	106.472/09/04/2000
DIES-TANK2	DIESEL STORAGE TANK	106.472/09/04/2000
DIES-TANK3	DIESEL STORAGE TANK	106.472/09/04/2000
EMGEN	DETROIT 16V2000 CI ICE - 1100KW	41953, PSDTX951
U1	GENERAL ELECTRIC 7241FA TURBINE - 170 MW	41953, PSDTX951
U1	HEAT RECOVERY STEAM GENERATOR	41953, PSDTX951
U1	TURBINE & HRSG STACK	41953, PSDTX951
U2	GENERAL ELECTRIC 7241FA TURBINE - 170 MW	41953, PSDTX951
U2	HEAT RECOVERY STEAM GENERATOR	41953, PSDTX951
U2	TURBINE & HRSG STACK	41953, PSDTX951
U3	GENERAL ELECTRIC 7241FA TURBINE - 170 MW	41953, PSDTX951
U3	HEAT RECOVERY STEAM GENERATOR	41953, PSDTX951
U3	TURBINE & HRSG STACK	41953, PSDTX951
U4	GENERAL ELECTRIC 7241FA TURBINE - 170 MW	41953, PSDTX951

New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
U4	HEAT RECOVERY STEAM GENERATOR	41953, PSDTX951
U4	TURBINE & HRSG STACK	41953, PSDTX951
U5	GENERAL ELECTRIC 7241FA TURBINE - 170 MW	41953, PSDTX951
U5	HEAT RECOVERY STEAM GENERATOR	41953, PSDTX951
U5	TURBINE & HRSG STACK	41953, PSDTX951
U6	GENERAL ELECTRIC 7241FA TURBINE - 170 MW	41953, PSDTX951
U6	HEAT RECOVERY STEAM GENERATOR	41953, PSDTX951
U6	TURBINE & HRSG STACK	41953, PSDTX951
WTRPMP	JOHN DEERE JW6HUF40 CI ICE - 221 KW	41953, PSDTX951

Alternative Requirement

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

August 8, 2003

Mr. Lowell Trotter
FPL Energy
P.O. Box 1319
Forney, Texas 75126

RE: Request for Custom Fuel Monitoring Schedule (CFMS) for FPL Energy, Kaufman County Facility, Forney, Kaufman County, Texas, Texas Commissions on Environmental Quality (TCEQ) Account Number KB-0176-S, TCEQ Permit Number 41953/PSD-TX-951, Title 40 Code of Federal Regulations, Part 60 (40 CFR §60.334), Subpart GG, Monitoring of Operations

Dear Mr. Trotter:

This is in response to your letter of August 5, 2003, which provided over fourteen days of initial sulfur content data collected by SPL using ASTM D6667 for your National Gas Pipeline Company of America (NGPL) gas supply for gas turbines in accordance with 40 CFR §60.334(b)(2). TCEQ finds that the data for the period of June 17 through July 4, 2003, satisfy the stable, non-variable, and low level requirements for natural gas sulfur content. A CFMS is issued effective today (see Attachment 1) associated with the NGPL gas supply used at the Kaufman County Facility. FPL Energy should initiate a monitoring schedule of a twice a month for six months.

The TCEQ has been delegated authority to enforce the federal New Source Performance Standards (NSPS) found at 40 CFR 60 in Texas. Pursuant to 40 CFR 60, Section 60.334(b)(2), the TCEQ has completed its review of your above referenced request. Please retain records of the next six months of data in your files. After six months of collection of the data, please forward a copy of the laboratory fuel sulfur test results to ensure compliance with the terms of the CFMS.

By copy of this letter, we are informing the U. S. Environmental Protection Agency (EPA), Region 6 and EMC/OAQPS in RTP of the issue of this custom fuel monitoring schedule. If you have any questions, please contact me at the letterhead address, MC-171, or at (512) 239-1452.

Sincerely,

Robert M Mann

Robert M. Mann
Compliance Support Division, MC-171

RMM

ATTACHMENT 1

FPL Energy, Kaufman County Facility, Forney, Kaufman County, Texas,
Using National Gas Pipeline Company of America (NGPL) Natural Gas,
Account No. KB-0176-S, Permit No. 41953

.) This custom fuel schedule is valid while pipeline quality natural gas is the only fuel fired in the gas turbine. Monitoring of fuel nitrogen is not required while pipeline quality natural gas is the only fuel fired in the gas turbine.

2. The fuel supplier or suppliers shall be identified for the record during turbine startup, and at any time the fuel supplier or suppliers change.

3. Analysis for fuel sulfur content of the natural gas shall be conducted using one of the approved American Society for Testing and Materials (ASTM) Test Methods for the measurement of sulfur in gaseous fuels, as referenced in Title 40 Code of Federal Regulations Part 60 (40 CFR 60), Section 60.335(d), or the Gas Producers Association (GPA) test method entitled "Test for Hydrogen Sulfide and Carbon Dioxide in Natural Gas Using Length of Stain Tubes." The approved test methods are listed as follows:

   a.) ASTM D1072-80;
   b.) ASTM D3031-81;
   c.) ASTM D3246-81;
   d.) ASTM D4084-82; or
   e.) GPA Standard 2377-86.

4. The owner or operator shall sample the fuel twice monthly for six months. If this monitoring shows little variability in the fuel sulfur content, and indicates consistent compliance with 40 CFR 60, Section 60.333(b), then sulfur monitoring shall be conducted once per quarter for six quarters. If this monitoring shows little variability in the fuel sulfur content, and indicates consistent compliance with 40 CFR 60, Section 60.333(b), then sulfur monitoring shall be conducted twice per annum. This monitoring shall be conducted during the first and third quarters of each calendar year.

5. Should any sulfur analysis required above indicate noncompliance with 40 CFR 60, Section 60.333(b), the owner or operator shall notify the Texas Commission on Environmental Quality (TCEQ) within two weeks of such excess emissions. The TCEQ will then reexamine the custom fuel schedule. Sulfur monitoring shall be conducted weekly during the interim period when this custom fuel schedule is being reexamined.

6. If there is a change in fuel supply or supplier, the owner or operator shall be required to sample the fuel daily for a period of two weeks to re-establish for the record that the fuel supply is low in sulfur content, and indicates compliance with 40 CFR 60, Section 60.633(b). If the fuel supply's low sulfur content is re-established, then the custom fuel monitoring schedule can be resumed.

Issue Date: 8/08/03

Appendix A

Acronym List

The following abbreviations or acronyms may be used in this permit:

ACFM ..... actual cubic feet per minute
AMOC ..... alternate means of control
ARP ..... Acid Rain Program
ASTM ..... American Society of Testing and Materials
B/PA ..... Beaumont/Port Arthur (nonattainment area)
CAM ..... Compliance Assurance Monitoring
CD ..... control device
COMS ..... continuous opacity monitoring system
CVS ..... closed-vent system
D/FW ..... Dallas/Fort Worth (nonattainment area)
DR ..... Designated Representative
ElP ..... El Paso (nonattainment area)
EP ..... emission point
EPA ..... U.S. Environmental Protection Agency
EU ..... emission unit
FCAA Amendments ..... Federal Clean Air Act Amendments
FOP ..... federal operating permit
GF ..... grandfathered
gr/100 scf ..... grains per 100 standard cubic feet
HAP ..... hazardous air pollutant
H/G/B ..... Houston/Galveston/Brazoria (nonattainment area)
H_2S ..... hydrogen sulfide
ID No. ..... identification number
lb/hr ..... pound(s) per hour
MMBtu/hr ..... Million British thermal units per hour
MRRT ..... monitoring, recordkeeping, reporting, and testing
NA ..... nonattainment
N/A ..... not applicable
NADB ..... National Allowance Data Base
NO_x ..... nitrogen oxides
NSPS ..... New Source Performance Standard (40 CFR Part 60)
NSR ..... New Source Review
ORIS ..... Office of Regulatory Information Systems
Pb ..... lead
PBR ..... Permit By Rule
PM ..... particulate matter
ppmv ..... parts per million by volume
PSD ..... prevention of significant deterioration
RO ..... Responsible Official
SO_2 ..... sulfur dioxide
TCEQ ..... Texas Commission on Environmental Quality
TSP ..... total suspended particulate
TVP ..... true vapor pressure
U.S.C. ..... United States Code
VOC ..... volatile organic compound

Appendix B

Major NSR Summary Table

Permit Number: 41953 and PSDTX951			Issuance Date: October 19, 2012				
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY**	Spec. Cond.	Spec. Cond.	Spec. Cond.
Turbine Only (Hourly Limits)							
U1	GE-7FA Turbine	NO_x	62.2	-	2, 8, 15, 16, 17, 18	2, 15, 16, 18, 20, 21	2, 15, 16, 22, 24
		CO	31.7	-	2, 8, 15, 16, 17, 18	2, 15, 16, 18, 20, 21	2, 15, 16, 22, 24
		VOC	3.1	-	2, 8, 15, 18	2, 15, 18, 20, 21	2, 15, 22
		PM_{10}	14.2	-	2, 8, 13, 15, 18	2, 15, 18, 20, 21	2, 15, 22
		SO_2	28.4	-	2, 8, 15, 18, 19	2, 15, 18, 20, 21	2, 15, 22
		H_2SO_4	2.2	-	2, 8, 15, 18, 19	2, 15, 18, 20, 21	2, 15, 22
U2	GE-7FA Turbine	NO_x	62.2	-	2, 8, 15, 16, 17, 18	2, 15, 16, 18, 20, 21	2, 15, 16, 22, 24
		CO	31.7	-	2, 8, 15, 16, 17, 18	2, 15, 16, 18, 20, 21	2, 15, 16, 22, 24
		VOC	3.1	-	2, 8, 15, 18	2, 15, 18, 20, 21	2, 15, 22
		PM_{10}	14.2	-	2, 8, 13, 15, 18	2, 15, 18, 20, 21	2, 15, 22
		SO_2	28.4	-	2, 8, 15, 18, 19	2, 15, 18, 20, 21	2, 15, 22
		H_2SO_4	2.2	-	2, 8, 15, 18, 19	2, 15, 18, 20, 21	2, 15, 22
U3	GE-7FA Turbine	NO_x	62.2	-	2, 8, 15, 16, 17, 18	2, 15, 16, 18, 20, 21	2, 15, 16, 22, 24
		CO	31.7	-	2, 8, 15, 16, 17, 18	2, 15, 16, 18, 20, 21	2, 15, 16, 22, 24
		VOC	3.1	-	2, 8, 15, 18	2, 15, 18, 20, 21	2, 15, 22
		PM_{10}	14.2	-	2, 8, 13, 15, 18	2, 15, 18, 20, 21	2, 15, 22
		SO_2	28.4	-	2, 8, 15, 18, 19	2, 15, 18, 20, 21	2, 15, 22
		H_2SO_4	2.2	-	2, 8, 15, 18, 19	2, 15, 18, 20, 21	2, 15, 22
U4	GE-7FA Turbine	NO_x	62.2	-	2, 8, 15, 16, 17, 18	2, 15, 16, 18, 20, 21	2, 15, 16, 22, 24
		CO	31.7	-	2, 8, 15, 16, 17, 18	2, 15, 16, 18, 20, 21	2, 15, 16, 22, 24
		VOC	3.1	-	2, 8, 15, 18	2, 15, 18, 20, 21	2, 15, 22
		PM_{10}	14.2	-	2, 8, 13, 15, 18	2, 15, 18, 20, 21	2, 15, 22
		SO_2	28.4	-	2, 8, 15, 18, 19	2, 15, 18, 20, 21	2, 15, 22
		H_2SO_4	2.2	-	2, 8, 15, 18, 19	2, 15, 18, 20, 21	2, 15, 22

Permit Number: 41953 and PSDTX951			Issuance Date: October 19, 2012				
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY**	Spec. Cond.	Spec. Cond.	Spec. Cond.
U5	GE-7FA Turbine	NO_x	62.2	-	2, 8, 15, 16, 17, 18	2, 15, 16, 18, 20, 21	2, 15, 16, 22, 24
		CO	31.7	-	2, 8, 15, 16, 17, 18	2, 15, 16, 18, 20, 21	2, 15, 16, 22, 24
		VOC	3.1	-	2, 8, 15, 18	2, 15, 18, 20, 21	2, 15, 22
		PM_{10}	14.2	-	2, 8, 13, 15, 18	2, 15, 18, 20, 21	2, 15, 22
		SO_2	28.4	-	2, 8, 15, 18, 19	2, 15, 18, 20, 21	2, 15, 22
		H_2SO_4	2.2	-	2, 8, 15, 18, 19	2, 15, 18, 20, 21	2, 15, 22
U6	GE-7FA Turbine	NO_x	62.2	-	2, 8, 15, 16, 17, 18	2, 15, 16, 18, 20, 21	2, 15, 16, 22, 24
		CO	31.7	-	2, 8, 15, 16, 17, 18	2, 15, 16, 18, 20, 21	2, 15, 16, 22, 24
		VOC	3.1	-	2, 8, 15, 18	2, 15, 18, 20, 21	2, 15, 22
		PM_{10}	14.2	-	2, 8, 13, 15, 18	2, 15, 18, 20, 21	2, 15, 22
		SO_2	28.4	-	2, 8, 15, 18, 19	2, 15, 18, 20, 21	2, 15, 22
		H_2SO_4	2.2	-	2, 8, 15, 18, 19	2, 15, 18, 20, 21	2, 15, 22
Turbine and Duct Burner (Hourly Limits)							
U1	GE-7FA Turbine	NO_x	106.25	-	2, 8, 15, 16, 17, 18	2, 15, 16, 18, 20, 21	2, 15, 16, 22, 24
		CO	75.75	-	2, 8, 15, 16, 17, 18	2, 15, 16, 18, 20, 21	2, 15, 16, 22, 24
		VOC	11.85	-	2, 8, 15, 18	2, 15, 18, 20, 21	2, 15, 22
		PM_{10}	22.06	-	2, 8, 13, 15, 18	2, 15, 18, 20, 21	2, 15, 22
		SO_2	36.17	-	2, 8, 15, 18, 19	2, 15, 18, 20, 21	2, 15, 22
		H_2SO_4	4.56	-	2, 8, 15, 18, 19	2, 15, 18, 20, 21	2, 15, 22
U2	GE-7FA Turbine	NO_x	106.25	-	2, 8, 15, 16, 17, 18	2, 15, 16, 18, 20, 21	2, 15, 16, 22, 24
		CO	75.75	-	2, 8, 15, 16, 17, 18	2, 15, 16, 18, 20, 21	2, 15, 16, 22, 24
		VOC	11.85	-	2, 8, 15, 18	2, 15, 18, 20, 21	2, 15, 22
		PM_{10}	22.06	-	2, 8, 13, 15, 18	2, 15, 18, 20, 21	2, 15, 22
		SO_2	36.17	-	2, 8, 15, 18, 19	2, 15, 18, 20, 21	2, 15, 22
		H_2SO_4	4.56	-	2, 8, 15, 18, 19	2, 15, 18, 20, 21	2, 15, 22
U3	GE-7FA Turbine	NO_x	106.25	-	2, 8, 15, 16, 17, 18	2, 15, 16, 18, 20, 21	2, 15, 16, 22, 24
		CO	75.75	-	2, 8, 15, 16, 17, 18	2, 15, 16, 18, 20, 21	2, 15, 16, 22, 24
		VOC	11.85	-	2, 8, 15, 18	2, 15, 18, 20, 21	2, 15, 22
		PM_{10}	22.06	-	2, 8, 13, 15, 18	2, 15, 18, 20, 21	2, 15, 22
		SO_2	36.17	-	2, 8, 15, 18, 19	2, 15, 18, 20, 21	2, 15, 22
		H_2SO_4	4.56	-	2, 8, 15, 18, 19	2, 15, 18, 20, 21	2, 15, 22

Permit Number: 41953 and PSDTX951			Issuance Date: October 19, 2012				
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY**	Spec. Cond.	Spec. Cond.	Spec. Cond.
U4	GE-7FA Turbine	NO_x	106.25	-	2, 8, 15, 16, 17, 18	2, 15, 16, 18, 20, 21	2, 15, 16, 22, 24
		CO	75.75	-	2, 8, 15, 16, 17, 18	2, 15, 16, 18, 20, 21	2, 15, 16, 22, 24
		VOC	11.85	-	2, 8, 15, 18	2, 15, 18, 20, 21	2, 15, 22
		PM_{10}	22.06	-	2, 8, 13, 15, 18	2, 15, 18, 20, 21	2, 15, 22
		SO_2	36.17	-	2, 8, 15, 18, 19	2, 15, 18, 20, 21	2, 15, 22
		H_2SO_4	4.56	-	2, 8, 15, 18, 19	2, 15, 18, 20, 21	2, 15, 22
U5	GE-7FA Turbine	NO_x	106.25	-	2, 8, 15, 16, 17, 18	2, 15, 16, 18, 20, 21	2, 15, 16, 22, 24
		CO	75.75	-	2, 8, 15, 16, 17, 18	2, 15, 16, 18, 20, 21	2, 15, 16, 22, 24
		VOC	11.85	-	2, 8, 15, 18	2, 15, 18, 20, 21	2, 15, 22
		PM_{10}	22.06	-	2, 8, 13, 15, 18	2, 15, 18, 20, 21	2, 15, 22
		SO_2	36.17	-	2, 8, 15, 18, 19	2, 15, 18, 20, 21	2, 15, 22
		H_2SO_4	4.56	-	2, 8, 15, 18, 19	2, 15, 18, 20, 21	2, 15, 22
U6	GE-7FA Turbine	NO_x	106.25	-	2, 8, 15, 16, 17, 18	2, 15, 16, 18, 20, 21	2, 15, 16, 22, 24
		CO	75.75	-	2, 8, 15, 16, 17, 18	2, 15, 16, 18, 20, 21	2, 15, 16, 22, 24
		VOC	11.85	-	2, 8, 15, 18	2, 15, 18, 20, 21	2, 15, 22
		PM_{10}	22.06	-	2, 8, 13, 15, 18	2, 15, 18, 20, 21	2, 15, 22
		SO_2	36.17	-	2, 8, 15, 18, 19	2, 15, 18, 20, 21	2, 15, 22
		H_2SO_4	4.56	-	2, 8, 15, 18, 19	2, 15, 18, 20, 21	2, 15, 22
Combined Turbine and Duct Burner (Annual Limits)							
U1 through U6 Combined Emissions	GE-7FA Turbines with 550 MMBtu/hr Duct Burners	NO_x	-	1927.1	2, 8, 15, 16, 17, 18	2, 15, 16, 18, 20, 21	2, 15, 16, 22, 24
		CO	-	1152.1	2, 8, 15, 16, 17, 18	2, 15, 16, 18, 20, 21	2, 15, 16, 22, 24
		VOC	-	152.7	2, 8, 15, 18	2, 15, 18, 20, 21	2, 15, 22
		PM_{10}	-	392.6	2, 8, 13, 15, 18	2, 15, 18, 20, 21	2, 15, 22
		SO_2	-	285.5	2, 8, 15, 18, 19	2, 15, 18, 20, 21	2, 15, 22
		H_2SO_4	-	27.8	2, 8, 15, 18, 19	2, 15, 18, 20, 21	2, 15, 22
FUG	Piping Fugitives (5)	VOC	1.25	5.49		20	22
EMGEN	Emergency Diesel Generator (6)	NO_x	30.49	1.83	2, 8	2, 20, 21	2, 22, 24
		CO	6.99	0.42	2, 8	2, 20, 21	2, 22, 24
		VOC	0.90	0.05	2, 8	2, 20, 21	2, 22

Permit Number: 41953 and PSDTX951			Issuance Date: October 19, 2012				
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY**	Spec. Cond.	Spec. Cond.	Spec. Cond.
		PM_{10}	0.89	0.05	2, 8	2, 20, 21	2, 22
		SO_2	5.14	0.31	2, 8	2, 20, 21	2, 22
WTRPMP	Firewater Pump Engine (6)	NO_x	3.16	0.19	2, 8	2, 20, 21	2, 22, 24
		CO	0.17	0.02	2, 8	2, 20, 21	2, 22, 24
		VOC	0.10	0.01	2, 8	2, 20, 21	2, 22
		PM_{10}	0.06	0.01	2, 8	2, 20, 21	2, 22
		SO_2	0.36	0.03	2, 8	2, 20, 21	2, 22
CT-1	Cooling Tower (7)	PM_{10}	27.54 (8)	18.93	25	20, 25	22
CT-2	Cooling Tower (7)	PM_{10}	27.54 (8)	18.93	25	20, 25	22
LUBE1	Lube Oil Demisters (9)	PM_{10}	0.04	0.17	8, 13, 15,	20	22
Maintenance, Startup and Shutdown (MSS)							
U1	GE-7FA Turbine MSS Emission Rate	NO_x	188.54	-	2, 8, 15, 16, 17, 18, 28, 30	2, 15, 16, 18, 20, 21, 29	2, 15, 16, 22, 24
		CO	2209.90	-	2, 8, 15, 16, 17, 18, 28, 30	2, 15, 16, 18, 20, 21, 29	2, 15, 16, 22, 24
		VOC	183.49	-	2, 8, 15, 18, 28, 29, 30	2, 15, 18, 20, 21, 29	2, 15, 22
		$PM_{10}/PM_{2.5}$	22.06	-	2, 8, 13, 15, 18, 28, 30	2, 15, 18, 20, 21, 29	2, 15, 22
		SO_2	36.17	-	2, 8, 15, 18, 19, 28, 30	2, 15, 18, 20, 21, 29	2, 15, 22
		H_2SO_4	4.56	-	2, 8, 15, 18, 19, 28, 30	2, 15, 18, 20, 21, 29	2, 15, 22
U2	GE-7FA Turbine MSS Emission Rate	NO_x	188.54	-	2, 8, 15, 16, 17, 18, 28, 30	2, 15, 16, 18, 20, 21, 29	2, 15, 16, 22, 24
		CO	2209.90	-	2, 8, 15, 16, 17, 18, 28, 30	2, 15, 16, 18, 20, 21, 29	2, 15, 16, 22, 24
		VOC	183.49	-	2, 8, 15, 18, 28, 29, 30	2, 15, 18, 20, 21, 29	2, 15, 22
		$PM_{10}/PM_{2.5}$	22.06	-	2, 8, 13, 15, 18, 28, 30	2, 15, 18, 20, 21, 29	2, 15, 22
		SO_2	36.17	-	2, 8, 15, 18, 19, 28, 30	2, 15, 18, 20, 21, 29	2, 15, 22
		H_2SO_4	4.56	-	2, 8, 15, 18, 19, 28, 30	2, 15, 18, 20, 21, 29	2, 15, 22
U3	GE-7FA Turbine MSS Emission Rate	NO_x	188.54	-	2, 8, 15, 16, 17, 18, 28, 30	2, 15, 16, 18, 20, 21, 29	2, 15, 16, 22, 24
		CO	2209.90	-	2, 8, 15, 16, 17, 18, 28, 30	2, 15, 16, 18, 20, 21, 29	2, 15, 16, 22, 24

Permit Number: 41953 and PSDTX951			Issuance Date: October 19, 2012				
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY**	Spec. Cond.	Spec. Cond.	Spec. Cond.
		VOC	183.49	-	2, 8, 15, 18, 28, 29, 30	2, 15, 18, 20, 21, 29	2, 15, 22
U3	GE-7FA Turbine MSS Emission Rate	$PM_{10}/PM_{2.5}$	22.06	-	2, 8, 13, 15, 18, 28, 30	2, 15, 18, 20, 21, 29	2, 15, 22
		SO_2	36.17	-	2, 8, 15, 18, 19, 28, 30	2, 15, 18, 20, 21, 29	2, 15, 22
		H_2SO_4	4.56	-	2, 8, 15, 18, 19, 28, 30	2, 15, 18, 20, 21, 29	2, 15, 22
U4	GE-7FA Turbine MSS Emission Rate	NO_x	188.54	-	2, 8, 15, 16, 17, 18, 28, 30	2, 15, 16, 18, 20, 21, 29	2, 15, 16, 22, 24
		CO	2209.90	-	2, 8, 15, 16, 17, 18, 28, 30	2, 15, 16, 18, 20, 21, 29	2, 15, 16, 22, 24
		VOC	183.49	-	2, 8, 15, 18, 28, 29, 30	2, 15, 18, 20, 21, 29	2, 15, 22
		$PM_{10}/PM_{2.5}$	22.06	-	2, 8, 13, 15, 18, 28, 30	2, 15, 18, 20, 21, 29	2, 15, 22
		SO_2	36.17	-	2, 8, 15, 18, 19, 28, 30	2, 15, 18, 20, 21, 29	2, 15, 22
		H_2SO_4	4.56	-	2, 8, 15, 18, 19, 28, 30	2, 15, 18, 20, 21, 29	2, 15, 22
U5	GE-7FA Turbine MSS Emission Rate	NO_x	188.54	-	2, 8, 15, 16, 17, 18, 28, 30	2, 15, 16, 18, 20, 21, 29	2, 15, 16, 22, 24
		CO	2209.90	-	2, 8, 15, 16, 17, 18, 28, 30	2, 15, 16, 18, 20, 21, 29	2, 15, 16, 22, 24
		VOC	183.49	-	2, 8, 15, 18, 28, 29, 30	2, 15, 18, 20, 21, 29	2, 15, 22
		$PM_{10}/PM_{2.5}$	22.06	-	2, 8, 13, 15, 18, 28, 30	2, 15, 18, 20, 21, 29	2, 15, 22
		SO_2	36.17	-	2, 8, 15, 18, 19, 28, 30	2, 15, 18, 20, 21, 29	2, 15, 22
		H_2SO_4	4.56	-	2, 8, 15, 18, 19, 28, 30	2, 15, 18, 20, 21, 29	2, 15, 22
U6	GE-7FA Turbine MSS Emission Rate	NO_x	188.54	-	2, 8, 15, 16, 17, 18, 28, 30	2, 15, 16, 18, 20, 21, 29	2, 15, 16, 22, 24
		CO	2209.90	-	2, 8, 15, 16, 17, 18, 28, 30	2, 15, 16, 18, 20, 21, 29	2, 15, 16, 22, 24
		VOC	183.49	-	2, 8, 15, 18, 28, 29, 30	2, 15, 18, 20, 21, 29	2, 15, 22
		$PM_{10}/PM_{2.5}$	22.06	-	2, 8, 13, 15, 18, 28, 30	2, 15, 18, 20, 21, 29	2, 15, 22
		SO_2	36.17	-	2, 8, 15, 18, 19, 28, 30	2, 15, 18, 20, 21, 29	2, 15, 22
		H_2SO_4	4.56	-	2, 8, 15, 18, 19, 28, 30	2, 15, 18, 20, 21, 29	2, 15, 22

Permit Number: 41953 and PSDTX951			Issuance Date: October 19, 2012				
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY**	Spec. Cond.	Spec. Cond.	Spec. Cond.
U1, U2, U3, U4, U5, U6	GE-7FA Turbine/HRSG MSS Emission Rates	NO_x	-	1927.1 (10)	2, 8, 15, 16, 17, 18, 28, 30	2, 15, 16, 18, 20, 21, 29	2, 15, 16, 22, 24
		CO	-	1152.1 (10)	2, 8, 15, 16, 17, 18, 28, 30	2, 15, 16, 18, 20, 21, 29	2, 15, 16, 22, 24
		VOC	-	152.7 (10)	2, 8, 15, 18, 28, 30	2, 15, 18, 20, 21, 29	2, 15, 22
		$PM_{10}/PM_{2.5}$	-	392.6 (10)	2, 8, 13, 15, 18, 19, 28, 30	2, 15, 18, 20, 21, 29	2, 15, 22
		SO_2	-	285.5 (10)	2, 8, 15, 18, 19, 28, 30	2, 15, 18, 20, 21, 29	2, 15, 22
		H_2SO_4	-	27.8 (10)	2, 8, 15, 18, 19, 28, 30	2, 15, 18, 20, 21, 29	2, 15, 22
MSSFUG	Planned Maintenance Activities (ILE and non ILE)	VOC	18.39	0.13		21, 29, 30	22
		NO_x	<0.01	<0.01		21, 29, 30	22, 24
		CO	<0.01	<0.01		21, 29, 30	22, 24

Footnotes:

(1) Emission point identification - either specific equipment designation or emission point number from plot plan.

(2) Specific point source name. For fugitive sources, use area name or fugitive source name.

(3) NOx - total oxides of nitrogen

CO - carbon monoxide

VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1

SO2 - sulfur dioxide

PM - total particulate matter, suspended in the atmosphere, including PM10 and PM2.5, as represented

PM10 - total particulate matter equal to or less than 10 microns in diameter, including PM2.5, as represented

PM2.5 - particulate matter equal to or less than 2.5 microns in diameter

H2SO4 - sulfuric acid mist

(4) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.

(5) Fugitive emissions are an estimate based on component count and applicable fugitive emission factors.

(6) Emissions are based on normal operation of 100 operating hours per year.

(7) Cooling tower PM10 emissions are an estimate only based on manufacturer's test data.

(8) The maximum 24-hour average hourly PM10 emission rate is 4.32 lb/hr for each cooling tower.

(9) Turbine oil mist vent emissions are an estimate only based on estimates from mist vent eliminator manufacturer data.

(10) The tpy emission limit specified in the MAERT for this facility includes emissions from the facility during both normal operations and planned MSS activities.

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

July 12, 2013

MR GARY KOWALCZYK
REGIONAL GENERAL MANAGER
FPLE FORNEY LLC
13770 W US HIGHWAY 80
FORNEY TX 75126-9143

Re: Permit Alteration
Permit Number: 41953
Electric Power Generating Facility
Forney, Kaufman County
Regulated Entity Number: RN100213420
Customer Reference Number: CN603392911
Account Number: KB-0176-S
Associated Permit Number: PSDTX951

Dear Mr. Kowalczyk:

This is in response to your letter received June 20, 2013, requesting alteration of the representations of the above-referenced permit. We understand you are requesting to improve the performance of the existing General Electric (GE) 7FA.03 turbines by replacing the turbine components with GE 7FA.04 components.

As indicated in Title 30 Texas Administrative Code § 116.116(c) [30 TAC § 116.116(c)], and based on our review, Permit Number 41953 is altered. Please attach this letter to your permit.

Planned maintenance, startup, and shutdown emissions have been previously reviewed, authorized, and included in the MAERT. Any other maintenance activities are not authorized by this permit and will need to obtain a separate authorization.

Your cooperation in this matter is appreciated. If you need further information or have any questions, please contact Ms. Ruth Alvirez at (512) 239-5220 or write to the Texas Commission on Environmental Quality, Office of Air, Air Permits Division, MC-163, P.O. Box 13087, Austin, Texas 78711-3087.

Re: Permit Number: 41953

This action is taken under authority delegated by the Executive Director of the Texas Commission on Environmental Quality.

Sincerely,

Michael Wilson, P.E., Director
Air Permits Division
Office of Air
Texas Commission on Environmental Quality

MPW/ra

Enclosure

cc: Air Section Manager, Region 4 - Fort Worth
Air Permits Section Chief, New Source Review, Section (6PD-R), U.S. Environmental Protection Agency, Region 6, Dallas

Project Number: 195034

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
AIR QUALITY PERMIT

A PERMIT IS HEREBY ISSUED TO
FPLE Forney, LLC
AUTHORIZING THE CONTINUED OPERATION OF
Electrical Generation Facility
LOCATED AT **Forney, Kaufman County, Texas**
LATITUDE 32° 45′ 13″ LONGITUDE 096° 29′ 27″

1. **Facilities** covered by this permit shall be constructed and operated as specified in the application for the permit. All representations regarding construction plans and operation procedures contained in the permit application shall be conditions upon which the permit is issued. Variations from these representations shall be unlawful unless the permit holder first makes application to the Texas Commission on Environmental Quality (commission) Executive Director to amend this permit in that regard and such amendment is approved. [Title 30 Texas Administrative Code § 116.116 (30 TAC § 116.116)]

2. **Voiding of Permit**. A permit or permit amendment is automatically void if the holder fails to begin construction within 18 months of the date of issuance, discontinues construction for more than 18 months prior to completion, or fails to complete construction within a reasonable time. Upon request, the executive director may grant an 18-month extension. Before the extension is granted the permit may be subject to revision based on best available control technology, lowest achievable emission rate, and netting or offsets as applicable. One additional extension of up to 18 months may be granted if the permit holder demonstrates that emissions from the facility will comply with all rules and regulations of the commission, the intent of the Texas Clean Air Act (TCAA), including protection of the public's health and physical property; and (b)(1)the permit holder is a party to litigation not of the permit holder's initiation regarding the issuance of the permit; or (b)(2) the permit holder has spent, or committed to spend, at least10 percent of the estimated total cost of the project up to a maximum of $5 million. A permit holder granted an extension under subsection (b)(1) of this section may receive one subsequent extension if the permit holder meets the conditions of subsection (b)(2) of this section. [30 TAC § 116.120(a), (b) and (c)]

3. **Construction Progress**. Start of construction, construction interruptions exceeding 45 days, and completion of construction shall be reported to the appropriate regional office of the commission not later than 15 working days after occurrence of the event. [30 TAC § 116.115(b)(2)(A)]

4. **Start-up Notification**. The appropriate air program regional office shall be notified prior to the commencement of operations of the facilities authorized by the permit in such a manner that a representative of the commission may be present. The permit holder shall provide a separate notification for the commencement of operations for each unit of phased construction, which may involve a series of units commencing operations at different times. Prior to operation of the facilities authorized by the permit, the permit holder shall identify to the Office of Permitting and Registration the source or sources of allowances to be utilized for compliance with Chapter 101, Subchapter H, Division 3 of this title (relating to Mass Emissions Cap and Trade Program). [30 TAC § 116.115(b)(2)(B)]

5. **Sampling Requirements**. If sampling is required, the permit holder shall contact the commission's Office of Compliance and Enforcement prior to sampling to obtain the proper data forms and procedures. All sampling and testing procedures must be approved by the executive director and coordinated with the regional representatives of the commission. The permit holder is also responsible for providing sampling facilities and conducting the sampling operations or contracting with an independent sampling consultant. [30 TAC § 116.115(b)(2)(C)]

6. **Equivalency of Methods.** The permit holder must demonstrate or otherwise justify the equivalency of emission control methods, sampling or other emission testing methods, and monitoring methods proposed as alternatives to methods indicated in the conditions of the permit. Alternative methods shall be applied for in writing and must be reviewed and approved by the executive director prior to their use in fulfilling any requirements of the permit. [30 TAC § 116.115(b)(2)(D)]

7. **Recordkeeping.** The permit holder shall maintain a copy of the permit along with records containing the information and data sufficient to demonstrate compliance with the permit, including production records and operating hours; keep all required records in a file at the plant site. If, however, the facility normally operates unattended, records shall be maintained at the nearest staffed location within Texas specified in the application; make the records available at the request of personnel from the commission or any air pollution control program having jurisdiction; comply with any additional recordkeeping requirements specified in special conditions attached to the permit; and retain information in the file for at least two years following the date that the information or data is obtained. [30 TAC § 116.115(b)(2)(E)]

8. **Maximum Allowable Emission Rates**. The total emissions of air contaminants from any of the sources of emissions must not exceed the values stated on the table attached to the permit entitled "Emission Sources--Maximum Allowable Emission Rates." [30 TAC § 116.115(b)(2)(F)]

9. **Maintenance of Emission Control**. The permitted facilities shall not be operated unless all air pollution emission capture and abatement equipment is maintained in good working order and operating properly during normal facility operations. The permit holder shall provide notification for upsets and maintenance in accordance with §§ 101.201, 101.211, and 101.221 of this title (relating to Emissions Event Reporting and Recordkeeping Requirements; Scheduled Maintenance, Startup, and Shutdown Reporting and Recordkeeping Requirements; and Operational Requirements). [30 TAC § 116.115(b)(2)(G)]

10. **Compliance with Rules**. Acceptance of a permit by an applicant constitutes an acknowledgment and agreement that the permit holder will comply with all rules, regulations, and orders of the commission issued in conformity with the TCAA and the conditions precedent to the granting of the permit. If more than one state or federal rule or regulation or permit condition is applicable, the most stringent limit or condition shall govern and be the standard by which compliance shall be demonstrated. Acceptance includes consent to the entrance of commission employees and agents into the permitted premises at reasonable times to investigate conditions relating to the emission or concentration of air contaminants, including compliance with the permit. [30 TAC § 116.115(b)(2)(H)]

11. This permit may be appealed pursuant to 30 TAC § 50.139.

12. This permit may not be transferred, assigned, or conveyed by the holder except as provided by rule. [30 TAC § 116.110(e)]

13. There may be additional special conditions attached to a permit upon issuance or modification of the permit. Such conditions in a permit may be more restrictive than the requirements of Title 30 of the Texas Administrative Code. [30 TAC § 116.115(c)]

14. **Emissions** from this facility must not cause or contribute to a condition of "air pollution" as defined in TCAA § 382.003(3) or violate TCAA § 382.085, as codified in the Texas Health and Safety Code. If the executive director determines that such a condition or violation occurs, the holder shall implement additional abatement measures as necessary to control or prevent the condition or violation.

PERMITS 41953 and PSDTX951

Date: October 29, 2010

For the Commission

Special Conditions

Permit Numbers 41953 and PSDTX951

1. This permit covers only those sources of emissions listed in the attached table entitled "Emission Sources - Maximum Allowable Emission Rates," and those sources are limited to the emission limits and other conditions specified in that attached table. Compliance with the annual emission limits shall be based on a rolling 12-month year rather than the calendar year. **(10/12)**

Federal Applicability

2. These facilities shall comply with applicable requirements of the U.S. Environmental Protection Agency (EPA) regulations on Standards of Performance for New Stationary Sources, Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60):

   A. Subpart A: General Provisions.

   B. Subpart Da, Electric Utility Steam Generating Units.

   C. Subpart GG, Stationary Gas Turbines.

   These facilities shall comply with applicable requirements of the EPA regulations on National Emission Standards for Hazardous Air Pollutants for Source Categories, 40 CFR Part 63: **(10/12)**

   D. Subpart A: General Provisions.

   E. Subpart ZZZZ: National Emission Standard for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines.

   If any condition of this permit is more stringent than the regulations so incorporated, then for the purposes of complying with this permit, the permit shall govern and be the standard by which compliance shall be demonstrated.

Emission Standards and Operating Specifications

3. The six General Electric Frame 7FA (PG7241 [FA]) combustion turbine generator (CTG) units authorized by this permit are each rated for a nominal maximum power output of 172 megawatts (MW) at base load, 59EF ambient air, with inlet conditioning (evaporative coolers/foggers). The two steam turbines will produce a nominal 828 MW gross for a combined plant maximum power output of approximately 1,860 MW gross in combined cycle operation, 59EF ambient air.

These are nominal ratings and are not limitations. Higher than nominal output is allowed but the permit holder must still maintain compliance with all other permit conditions. **(10/12)**

4. Each heat recovery steam generating (HRSG) unit duct burner is limited to a maximum heat input capacity of 550 million British thermal units per hour (MMBtu/hr) based on the higher heating value (HHV) of natural gas.

5. Each CTG shall normally operate at 100 percent base load except for periods of startup or shutdown as defined in Special Condition No. 28(A) and 28(B). Reduced load operation (operating below Mode 6Q) is authorized provided the maximum non-MSS lbs/hr emission rates specified in the attached table entitled Emission Sources – "Maximum Allowable Emissions Rates" for Emission Point Nos. (EPNs) U1, U2, U3, U4, U5, and U6 are not exceeded. **(10/12)**

6. Fuel for CTGs and HRSG duct burners shall be limited to pipeline-quality, sweet natural gas containing no more than 5.0 grains total sulfur per 100 dry standard cubic foot (dscf) on a short-term basis and 0.25 grains total sulfur per 100 dscf on a rolling 12-month average basis. Use of any other fuel requires authorization from the TCEQ.

7. The firewater pump diesel engine and emergency generator diesel engine are authorized to fire distillate fuel oil containing not more than 0.05 weight percent sulfur and each is limited to a maximum of 100 non-emergency hours of operation annually. **(10/12)**

8. Upon request by the Executive Director of the Texas Commission on Environmental Quality (TCEQ) or any local air pollution control program having jurisdiction, the holder of this permit shall provide a sample and/or an analysis of the fuels fired in the gas turbines, duct burners, emergency generator diesel engine, and firewater pump diesel engine or shall allow air pollution control agency representatives to obtain a sample for analysis.

9. The two Cooling Towers (EPNs CT-1 and CT-2) may have a maximum total dissolved solids (TDS) concentration of 49,550 parts per million (ppm) but shall not exceed an average TDS concentration of 7,770 ppm during any 24-hour period.

10. **CTG Emission Limits** - Compliance with this condition shall be demonstrated by completion of the initial stack sampling as described in Special Condition No. 15. The emissions specified below are not subject to the continuous compliance requirements of Special Condition No. 16.

    A. Emissions of nitrogen oxides (NO_x) shall not exceed 9 parts per million, dry basis (ppmvd) (one-hour average) when corrected to 15 percent oxygen (O_2),

without correction to International Standards Organization (ISO) conditions while operating in Mode 6Q. **(10/12)**

B. Emissions of carbon monoxide (CO) shall not exceed 9 ppmvd (one-hour average) when corrected to 15 percent O_2 while operating in Mode 6Q. **(10/12)**

C. Emissions of volatile organic compounds (VOC) measured as methane, shall not exceed 1.4 parts per million by volume wet (ppmvw) (one-hour average) when corrected to 15 percent O_2 while operating in Mode 6Q. **(10/12)**

11. **HRSG Duct Burner Emission Limits** - Compliance with this condition shall be demonstrated by completion of the initial stack sampling as described in Special Condition No. 15. The emissions specified below are not subject to the continuous compliance requirements of Special Condition No. 16.

Emissions from each HRSG duct burner shall not exceed the following limits in lb/MMBtu (one-hour average), based on the HHV of natural gas.

Pollutant	Emission Limit (lb/MMBtu)
NO_x	0.08
CO	0.08
VOC	0.016

12. **Combined CTG and HRSG Duct Burner Stack Emission Limits** - Compliance with this condition shall be demonstrated by completion of the initial stack sampling as described in Special Condition No. 15. The emissions specified below are not subject to the continuous compliance requirements of Special Condition No. 16.

A. Emissions of NO_x shall not exceed 13.4 ppmvd (one-hour average) when corrected to 15 percent O_2, without correction to ISO conditions, at full load.

B. Emissions of CO shall not exceed 15.0 ppmvd (one-hour average) when corrected to 15 percent O_2, at full load.

C. Emissions of VOC measured as methane shall not exceed 7.0 ppmvd (one-hour average) when corrected to 15 percent O_2, at full load.

13. Opacity of emissions from EPNs U1, U2, U3, U4, U5 and U6 shall not exceed five percent averaged over a six-minute time period, except during periods of maintenance, startup, or shutdown as defined in Special Condition No. 28(A) and 28(B). This determination shall be made by first observing for visible emissions

while the facility is operating. Observations shall be made at least 15 feet and no more than 0.25 mile from the emission point(s). If visible emissions are observed from the stack(s), then opacity shall be determined by 40 CFR Part 60, Appendix A, Test Method 9. Contributions from uncombined water shall not be included in determining compliance with this condition. Observations shall be performed and recorded quarterly. If opacity exceeds five percent, corrective action to eliminate the source of visible emissions shall be taken promptly and documented within one week of first observation.

Initial Determination of Compliance

14. Sampling ports and platforms shall be incorporated into the design of all exhaust stacks according to the specifications set forth in the attachment entitled ÄChapter 2, Stack Sampling Facilities.@ Alternate sampling facility designs may be submitted for approval by the TCEQ Regional Director.

15. Upon the request of the TCEQ Dallas/Ft. Worth Regional Office, the holder of this permit shall perform stack sampling and other testing as required to establish the actual quantities of air contaminants being emitted into the atmosphere from EPNs U1, U2, U3, U4, U5, and U6. Sampling shall be conducted in accordance with the appropriate procedures of the TCEQ Sampling Procedures Manual and in accordance with the appropriate EPA Test Methods.

    Fuel sampling using the methods and procedures of 40 CFR ' 60.335(d) may be conducted in lieu of stack sampling for SO_2. If fuel sampling is used, compliance with New Source Performance Standards (NSPS), Subpart GG, SO_2 limits shall be based on 100 percent conversion of the sulfur in the fuel to SO_2. Any deviations from those procedures must be approved by the Executive Director of the TCEQ prior to sampling. The TCEQ Executive Director or their designated representative shall be afforded the opportunity to observe all such sampling. The holder of this permit is responsible for providing sampling and testing facilities and conducting the sampling and testing operations at his expense.

    A. The TCEQ Dallas/Ft. Worth Regional Office shall be contacted as soon as testing is scheduled but not less than 45 days prior to sampling to schedule a pretest meeting.

        The notice shall include:

        (1) Date for pretest meeting.
        (2) Date sampling will occur.
        (3) Name of firm conducting sampling.
        (4) Type of sampling equipment to be used.

(5) Method or procedure to be used in sampling.
(6) Procedure used to determine turbine loads during and after the sampling period.

The purpose of the pretest meeting is to review the necessary sampling and testing procedures, to provide the proper data forms for recording pertinent data, and to review the format procedures for submitting the test reports. A written proposed description of any deviation from sampling procedures specified in permit conditions, the TCEQ, or the EPA sampling procedures shall be made available to the TCEQ prior to the pretest meeting. The TCEQ Regional Director shall approve or disapprove of any deviation from specified sampling procedures. Requests to waive testing for any pollutant specified in this condition shall be submitted to the TCEQ Office of Permitting and Registration, Air Permits Division. Test waivers and alternate or equivalent procedure proposals for NSPS testing which must have the EPA approval shall be submitted to the TCEQ Air Permits Division in Austin.

B. Air emissions from each CTG (duct burners off) shall be tested while firing at the minimum point in the normal operating range (approximately 50 to 65 percent of the firing range) and at full load. The normal operating range consistent with emissions limits is to be determined during stack testing. Each tested load shall be identified in the sampling report. Air emissions to be sampled and analyzed while at full load include (but are not limited) to NO_x, O_2, CO, VOC, SO_2, and opacity. Fuel sampling using the methods and procedures of 40 CFR ' 60.335(d) may be conducted in lieu of stack sampling for SO_2. Air emissions to be sampled and analyzed while at the minimum point in the range include (but are not limited to) VOC.

C. Air emissions from the HRSG duct burners shall be tested while firing at maximum rated heat capacity with natural gas considering the ambient conditions at the time of testing. Air emissions to be sampled and analyzed include (but are not limited to) NO_x, O_2, CO, VOC, SO_2, PM_{10}, and opacity. Fuel sampling using the methods and procedures of 40 CFR ' 60.335(d) may be conducted in lieu of stack sampling for SO_2.

The HRSG duct burner emissions shall be calculated as the remainder of emissions when subtracting the CTG stack emissions with the duct burners out of service from the CTG stack emissions with the duct burners in service. The CTG must be operating at a maximum rate for the ambient conditions and shall be fired with natural gas. For the purposes of demonstrating initial compliance, emissions from the HRSG duct burners shall not exceed the limits in Special Condition No. 11.

D. Additional sampling shall occur as may be required by the TCEQ or the EPA.

E. Within 60 days after the completion of the testing and sampling required herein, copies of the sampling reports shall be distributed as follows:

One copy to the TCEQ Dallas/Ft. Worth Regional Office.
One copy to the TCEQ Central Records in Austin.
One copy to the EPA Region 6 Office, Dallas.

F. Initial sampling was completed on May 23, 2003.

Continuous Determination of Compliance for NOx and CO

16. The holder of this permit shall install, calibrate, maintain, and operate a continuous emission monitoring system (CEMS) to measure and record the concentrations of NO_x, CO, and O_2 from each Unit Stack (EPNs U1, U2, U3, U4, U5, and U6). The initial certification and relative accuracy test audit (RATA) shall be conducted prior to or during the sampling required by Special Condition No. 15.

A. Monitored NO_x and CO concentrations shall be corrected and reported in dimensional units corresponding to the emission rate and concentration limits established for the gas turbines and duct burners in this permit.

B. The CEMS will be required to meet the design and performance specifications, pass the field tests, and meet the installation requirements and data analysis and reporting requirements specified in the applicable performance specifications in 40 CFR Part 75, Appendix A. Any CEMS downtime in excess of 5% during a calendar year shall be reported to the appropriate TCEQ Regional Director, and necessary corrective action shall be taken. Supplemental stack concentration measurements may be required at the discretion of the appropriate TCEQ Regional Director. CEMS downtime shall be calculated as:

$$A^* = \frac{\sum H_c}{\sum H_o} \times 100$$

Where:

A^* is the percent of time that the CEMS was unavailable
H_c is the number of annual hours the CEMS was not collecting data
H_o is the number of annual hours that the combined cycle combustion turbine operated

If the owner or operator has installed a NO_X emission rate CEMS to meet the requirements of 40 CFR Part 75 and is continuing to meet the ongoing requirements of 40 CFR Part 75, that CEMS may be used to meet the requirements of this section, except that the owner or operator shall also meet the requirements of § 60.51Da. Data reported to meet the requirements of § 60.51Da shall not include data substituted using the missing data procedures in subpart D of 40 CFR Part 75, nor shall the data have been bias adjusted according to the procedures of 40 CFR Part 75.

C. The monitoring data shall be reduced to hourly average values at least once everyday, using a minimum of four equally-spaced data points from each one-hour period. Two valid data points shall be generated during the hourly period in which zero and span is performed.

D. All monitoring data and quality-assurance data shall be maintained by the source for a period of five years and shall be made available to the TCEQ Executive Director or her designated representative upon request. The data from the CEMS may, at the discretion of the TCEQ, be used to determine compliance with the conditions of this permit. Hourly average concentrations from EPNs U1, U2, U3, U4, U5, and U6 shall be summed to tons per year and used to determine compliance with the annual emission limits of this permit.

E. The appropriate TCEQ Regional Office shall be notified at least 30 days prior to any required RATA in order to provide them the opportunity to observe the testing.

17. If any emission monitor fails to meet specified performance, it shall be repaired or replaced immediately, but no later than seven days after it was first detected by any employee at the facility, unless written permission is obtained from the TCEQ which allows for a longer repair/replacement time. The holder of this permit shall develop an operation and maintenance program (including stocking necessary spare parts) to ensure that the continuous monitors are available as required.

18. The holder of this permit shall additionally install, calibrate, maintain, and operate continuous monitoring systems to monitor and record the average hourly natural gas consumption of the gas turbines and the duct burners. The systems shall be accurate to ±5.0 percent of the unit=s maximum flow.

19. The holder of this permit shall monitor the fuel fired in the gas turbines and duct burners for fuel-bound sulfur as specified in 40 CFR § 60.334(b).

Recordkeeping Requirements

20. The following records shall be kept at the plant for the life of the permit. All records required in this permit shall be made available at the request of personnel from the TCEQ, the EPA, or any air pollution control agency with jurisdiction.

    A. A copy of this permit.

    B. Permit application submitted July 29, 1999 and subsequent representations submitted to the TCEQ.

    C. A complete copy of the testing reports and records of the initial performance testing completed pursuant to Special Condition No. 15 to demonstrate initial compliance.

    D. Stack sampling results or other air emissions testing (other than CEMS data) that may be conducted on units authorized under this permit after the date of issuance of this permit.

    E. Completed test reports from TCEQ-required compliance testing. These test reports shall be retained on-site for the life of the equipment.

21. The following information shall be maintained at the plant by the holder of this permit in a form suitable for inspection for a period of five years after collection and shall be made immediately available upon request to representatives of the TCEQ, the EPA, or any local air pollution control program having jurisdiction.

    A. The CEMS data of NO_x, CO, and O_2 emissions from EPNs U1, U2, U3, U4, U5, and U6 to demonstrate compliance with the emission rates listed in the MAERT.

    B. Raw data files of all CEMS data including calibration checks and adjustments and maintenance performed on these systems in a permanent form suitable for inspection.

    C. Records of the hours of operation and average daily quantity of natural gas fired in the CTGs and HRSG duct burners.

    D. Records of the hours of operation of the firewater pump diesel engine (EPN WTRPMP) and emergency diesel generator (EPN EMGEN).

    E. Records of visible emissions and opacity checks pursuant to Special Condition No. 13.

F. Records of natural gas and the sulfur content according to the fuel suppliers for the turbines to show compliance with Special Condition No. 6.

G. Records of fuel sampling conducted pursuant to Special Condition No. 19.

H. For startup, shutdown, non-ILE maintenance, and maintenance as described in Special Condition 28(C), records of the date, time, and duration of the activity or facility operation; and emissions from those maintenance activities not measured by a CEMS. **(10/12)**

Reporting

22. The holder of this permit shall submit to the TCEQ Dallas/Ft. Worth Regional Office quarterly reports as described in 40 CFR ' 60.7. Such reports are required for each emission unit which is required to be continuously monitored pursuant to this permit. In addition to the information specified in 40 CFR ' 60.7(c), each report shall contain the hours of operation of the equipment authorized by this permit and a report summary of the periods of non-complying emissions and CEMS downtimes by cause.

23. For the purposes of reporting pursuant to Special Condition No. 22, non-complying emissions from equipment authorized by this permit shall be defined as follows:

    A. Non-complying emissions of NO_x or CO shall be defined as each one-hour period of operation during which the average emissions as measured and recorded by the CEMS exceed any pound-per-hour emission limitation specified in the MAERT. Emissions from startup or shutdown activities are subject to separate limits specified in the MAERT of this permit. **(10/12)**

    B. Non-complying annual emissions of NO_x or CO shall be defined as any rolling 12-month period of operation during which the 12-month cumulative emissions exceeds the annual limits specified in the MAERT of this permit.

    C. Noncomplying emissions of SO_2 shall be defined as emissions resulting from firing fuel which is found to contain sulfur in excess of the limits of Special Condition No. 6 or which indicates exceedance of the SO_2 limitation specified in the MAERT based on 100 percent conversion of the sulfur in the fuel to SO_2.

24. If the average NO_x or CO stack outlet emission rate exceeds the maximum allowable emissions rate for more than one hour, the holder of this permit shall investigate and determine the reason for the exceedance and, if needed, make necessary repairs and/or adjustments as soon as possible. If the NO_x or CO emission rate exceeds the emission rate in the MAERT for more than 24 hours, the

permit holder shall notify the TCEQ Regional Office either verbally or with a written report detailing the cause of the increase in emissions and all efforts being made to correct the problem.

Cooling Towers

25. The Cooling Tower(s) (EPNs CT-1 and CT-2) shall be monitored in the following manner to show compliance with Special Condition No. 9:

A. The site specific demonstrated value will be based off the following calculation:

TDS = -11 + 0.737 * conductivity

This calculation is based off correspondence from FPLE Forney, LLC on November 11, 2011 to the Region 4 office of the TCEQ establishing a site specific value.

B. Continuous compliance with the hourly and annual particulate matter emission rates for the Cooling Towers in the MAERT shall be demonstrated by the holder of this permit by monitoring the conductivity of the cooling water at a monitoring point in the recirculating water of each cooling tower, and recording these conductivity readings on a no less than weekly basis. Continuous monitoring data may be reduced to average 24-hour periods for demonstration of compliance with Special Condition No. 9. Each conductivity measurement shall be converted to TDS concentration in ppm using the conductivity to TDS conversion factor established in accordance with Special Condition No. 9.

The monitoring data required by this special condition shall be kept for at least five years from the date monitoring is done, and the data shall be made available immediately upon request to the U.S. Environmental Protection Agency (EPA) or TCEQ personnel. These records shall include:

(1) Location of the monitoring point for the cooling tower recirculating water and date and time of monitoring.

(2) Weekly measured conductivity in μS (microsiemens) and the equivalent TDS in parts per million in the recirculating water of the cooling tower.

Maintenance, Startup, and Shutdown (MSS)

26. This permit authorizes the emissions from the planned MSS activities listed in Attachment A, Attachment B, and the table entitled "Emission Sources - Maximum Allowable Emission Rates" attached to this permit. Attachment A identifies the inherently low emitting (ILE) planned maintenance activities that this permit authorizes to be performed. Attachment B identifies the non-ILE planned maintenance activities that this permit authorizes to be performed. **(10/12)**

27. The holder of this permit shall minimize emissions during planned MSS activities by operating the facility and associated air pollution control equipment in accordance with good air pollution control practices, safe operating practices, and protection of the facility. **(10/12)**

28. Emissions during planned MSS activities will be minimized by limiting the duration of operation in planned startup and shutdown mode as follows: **(10/12)**

    A. A planned startup of the electric generating facilities (EGFs) with EPNs U1, U2, U3, U4, U5 and U6 is defined as the period when gas flow to the turbines begins and ends when the turbines have reached Mode 6Q. A planned cold startup is defined as a startup after a unit has received no fuel for a period of 24 hours or more. Cold startups are limited to 12 hours per event. An overhaul startup is defined as a startup after a significant equipment overhaul and is limited to less than 15 hours. A warm startup is defined as a startup that is not a cold startup or overhaul startup and is limited to less than 3 hours.

    B. A planned shutdown of the EGFs with EPNs U1, U2, U3, U4, U5 and U6 is defined as the period that begins when the turbine drops below Mode 6Q. A planned shutdown for each EGF is limited to 4 hours per event.

    C. Emissions from combustion turbine optimization activities such as combustion tuning for EPNs U1, U2, U3, U4, U5 and U6 shall be subject to the hourly emission limits for MSS activities from the gas turbines listed on the MAERT. The emissions from such activities shall not occur for more than 8 hours per calendar day.

29. Compliance with the emissions limits for planned MSS activities identified in the MAERT attached to this permit shall be demonstrated as follows: **(10/12)**

    A. The permit holder shall annually confirm the continued validity of the estimated potential to emit represented in the permit application for all ILE planned maintenance activities. The total emissions from all ILE planned maintenance activities (see Attachment A) shall be considered to be no more than the estimated potential to emit for those activities that are represented in

the permit application.

B. For each pollutant emitted during non-ILE planned maintenance activities (see Attachment B) whose emissions are measured using a CEMS, as per Special Condition No. 30(A), the permit holder shall compare the pollutant's short-term (hourly) emissions during planned maintenance activities as measured by the CEMS to the applicable short-term planned MSS emissions limit in the MAERT for each calendar month.

C. For each pollutant emitted during non-ILE planned maintenance activities (see Attachment B) whose emissions occur through a stack but are not measured using CEMS as per Special Condition No. 30(A), the permit holder shall determine the total emissions of the pollutant through the stack that result from such non-ILE planned maintenance activities in accordance with Special Condition No. 30(B) for each calendar month.

30. The permit holder shall determine the emissions during planned MSS activities for use in Special Condition No. 29 as follows: **(10/12)**

A. For each pollutant whose emissions during normal facility operations are measured with a CEMS that has been certified to measure the pollutant's emissions over the entire range of a planned MSS activity, the permit holder shall measure the emissions of the pollutant during the planned MSS activity using the CEMS.

B. For each pollutant not described in Special Condition No. 30(A), the permit holder shall calculate the pollutant's emissions during all occurrences of each type of planned MSS activity for each calendar month using the frequency of the planned MSS activity identified in work orders or equivalent records and the emissions of the pollutant during the planned MSS activity as represented in the planned MSS permit application. In lieu of using the emissions of the pollutant during the planned MSS activity as represented in the planned MSS permit application to calculate such emissions, the permit holder may determine the emissions of the pollutant during the planned MSS activity using an appropriate method, including but not limited to, any of the methods described in paragraphs 1 through 3 below, provided that the permit holder maintains appropriate records supporting such determination.

(1) Use of emission factor(s), facility specific parameter(s), and/or engineering knowledge of the facility's operations;

(2) Use of emissions data measured (by a CEMS or during emissions testing) during the same type of planned MSS activity occurring at or on a similar facility, and correlation of that data with the facility's relevant operating

parameters, including, but not limited to, electric load, temperature, fuel input, and fuel sulfur content; or

(3) Use of emissions testing data collected during a planned MSS activity occurring at or on the facility, and correlation of that data with the facility's relevant operating parameters, including, but not limited to, electric load, temperature, fuel input, and fuel sulfur content.

31. The permit conditions and emission limits in the MAERT relating to planned MSS activities do not become effective until December 31, 2012. **(10/12)**

General Requirements

32. The following facilities are authorized by permits by rule (PBR) under 30 TAC Chapter 106. **(10/12)**

Facilities	Authorization
Comfort Heating	§ 106.102
Bench Scale Laboratory Equipment	§ 106.122
Bulk Mineral Handling	§ 106.144
Routine Maintenance, Start-up and Shutdown of Facilities, and Temporary Maintenance Facilities	§ 106.263
Welding, Soldering, Brazing	§ 106.227
Handheld and Manually Operated Machines	§ 106.265
Vacuum Cleaning Systems	§ 106.266
Refrigeration Systems	§ 106.373
Dry Abrasive Cleaning	§ 106.452
Degreasing Unit	§ 106.454
Tank Storage and Organic and Inorganic Liquid Loading and Unloading	§ 106.472
Tank Storage and Organic Liquid Loading and Unloading	§ 106.473

Attachment A

Permit Nos. 41953 and PSDTX951

Inherently Low Emitting (ILE) Planned Maintenance Activities

	Emissions					
Planned Maintenance Activity	NH_3/ urea	VOC	NO_x	CO	PM	SO_2
Instrumentation maintenance (EPN MSS FUG)			x	x		

Dated October 19, 2012

Attachment B

Permit Nos. 41953 and PSDTX951

Non-ILE Planned Maintenance Activities

	Emissions					
Planned Maintenance Activity	NH_3/ urea	VOC	NO_x	CO	PM	SO_2
Combustion turbine optimization (EPNs U1, U2, U3, U4, U5 and U6)		x	x	x	x	x
Turbine washing (EPN MSS FUG)		x				

Dated October 19, 2012

Emission Sources - Maximum Allowable Emission Rates

Permit Numbers 41953 and PSDTX951

This table lists the maximum allowable emission rates and all sources of air contaminants on the applicant's property covered by this permit. The emission rates shown are those derived from information submitted as part of the application for permit and are the maximum rates allowed for these facilities, sources, and related activities. Any proposed increase in emission rates may require an application for a modification of the facilities covered by this permit.

Air Contaminants Data

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
Turbine Only (Hourly Limits)				
U1	GE-7FA Turbine	NO_x	62.2	-
		CO	31.7	-
		VOC	3.1	-
		PM_{10}	14.2	-
		SO_2	28.4	-
		H_2SO_4	2.2	-
U2	GE-7FA Turbine	NO_x	62.2	-
		CO	31.7	-
		VOC	3.1	-
		PM_{10}	14.2	-
		SO_2	28.4	-
		H_2SO_4	2.2	-
U3	GE-7FA Turbine	NO_x	62.2	-
		CO	31.7	-
		VOC	3.1	-
		PM_{10}	14.2	-
		SO_2	28.4	-
		H_2SO_4	2.2	-

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
U4	GE-7FA Turbine	NO_x	62.2	-
		CO	31.7	-
		VOC	3.1	-
		PM_{10}	14.2	-
		SO_2	28.4	-
		H_2SO_4	2.2	-
U5	GE-7FA Turbine	NO_x	62.2	-
		CO	31.7	-
		VOC	3.1	-
		PM_{10}	14.2	-
		SO_2	28.4	-
		H_2SO_4	2.2	-
U6	GE-7FA Turbine	NO_x	62.2	-
		CO	31.7	-
		VOC	3.1	-
		PM_{10}	14.2	-
		SO_2	28.4	-
		H_2SO_4	2.2	-
Turbine and Duct Burner (Hourly Limits)				
U1	GE-7FA Turbine	NO_x	106.25	-
		CO	75.75	-
		VOC	11.85	-
		PM_{10}	22.06	-

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
		SO_2	36.17	-
		H_2SO_4	4.56	-
U2	GE-7FA Turbine	NO_x	106.25	-
		CO	75.75	-
		VOC	11.85	-
		PM_{10}	22.06	-
		SO_2	36.17	-
		H_2SO_4	4.56	-
U3	GE-7FA Turbine	NO_x	106.25	-
		CO	75.75	-
		VOC	11.85	-
		PM_{10}	22.06	-
		SO_2	36.17	-
		H_2SO_4	4.56	-
U4	GE-7FA Turbine	NO_x	106.25	-
		CO	75.75	-
		VOC	11.85	-
		PM_{10}	22.06	-
		SO_2	36.17	-
		H_2SO_4	4.56	-

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
U5	GE-7FA Turbine	NO_x	106.25	-
		CO	75.75	-
		VOC	11.85	-
		PM_{10}	22.06	-
		SO_2	36.17	-
		H_2SO_4	4.56	-
U6	GE-7FA Turbine	NO_x	106.25	-
		CO	75.75	-
		VOC	11.85	-
		PM_{10}	22.06	-
		SO_2	36.17	-
		H_2SO_4	4.56	-
Combined Turbine and Duct Burner (Annual Limits)				
U1 through U6 Combined Emissions	GE-7FA Turbines with 550 MMBtu/hr Duct Burners	NO_x	-	1927.1
		CO	-	1152.1
		VOC	-	152.7
		PM_{10}	-	392.6
		SO_2	-	285.5
		H_2SO_4	-	27.8
FUG	Piping Fugitives (5)	VOC	1.25	5.49
EMGEN	Emergency Diesel Generator (6)	NO_x	30.49	1.83
		CO	6.99	0.42
		VOC	0.90	0.05

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
		PM_{10}	0.89	0.05
		SO_2	5.14	0.31
WTRPMP	Firewater Pump Engine (6)	NO_x	3.16	0.19
		CO	0.17	0.02
		VOC	0.10	0.01
		PM_{10}	0.06	0.01
		SO_2	0.36	0.03
CT-1	Cooling Tower (7)	PM_{10}	27.54 (8)	18.93
CT-2	Cooling Tower (7)	PM_{10}	27.54 (8)	18.93
LUBE1	Lube Oil Demisters (9)	PM_{10}	0.04	0.17
Maintenance, Startup and Shutdown (MSS)				
U1	GE-7FA Turbine MSS Emission Rate	NO_x	188.54	-
		CO	2209.90	-
		VOC	183.49	-
		$PM_{10}/PM_{2.5}$	22.06	-
		SO_2	36.17	-
		H_2SO_4	4.56	-
U2	GE-7FA Turbine MSS Emission Rate	NO_x	188.54	-
		CO	2209.90	-
		VOC	183.49	-
		$PM_{10}/PM_{2.5}$	22.06	-
		SO_2	36.17	-
		H_2SO_4	4.56	-

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
U3	GE-7FA Turbine MSS Emission Rate	NO_x	188.54	-
		CO	2209.90	-
		VOC	183.49	-
		$PM_{10}/PM_{2.5}$	22.06	-
		SO_2	36.17	-
		H_2SO_4	4.56	-
U4	GE-7FA Turbine MSS Emission Rate	NO_x	188.54	-
		CO	2209.90	-
		VOC	183.49	-
		$PM_{10}/PM_{2.5}$	22.06	-
		SO_2	36.17	-
		H_2SO_4	4.56	-
U5	GE-7FA Turbine MSS Emission Rate	NO_x	188.54	-
		CO	2209.90	-
		VOC	183.49	-
		$PM_{10}/PM_{2.5}$	22.06	-
		SO_2	36.17	-
		H_2SO_4	4.56	-
U6	GE-7FA Turbine MSS Emission Rate	NO_x	188.54	-
		CO	2209.90	-
		VOC	183.49	-
		$PM_{10}/PM_{2.5}$	22.06	-
		SO_2	36.17	-

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
		H_2SO_4	4.56	-
U1, U2, U3, U4, U5, U6	GE-7FA Turbine/HRSG MSS Emission Rates	NO_x	-	1927.1 (10)
		CO	-	1152.1 (10)
		VOC	-	152.7 (10)
		$PM_{10}/PM_{2.5}$	-	392.6 (10)
		SO_2	-	285.5 (10)
		H_2SO_4	-	27.8 (10)
MSSFUG	Planned Maintenance Activities (ILE and non ILE)	VOC	18.39	0.13
		NO_x	<0.01	<0.01
		CO	<0.01	<0.01

(1) Emission point identification - either specific equipment designation or emission point number from plot plan.
(2) Specific point source name. For fugitive sources, use area name or fugitive source name.
(3) NO_x - total oxides of nitrogen
CO - carbon monoxide
VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
SO_2 - sulfur dioxide
PM - total particulate matter, suspended in the atmosphere, including PM_{10} and $PM_{2.5}$, as represented
PM_{10} - total particulate matter equal to or less than 10 microns in diameter, including $PM_{2.5}$, as represented
$PM_{2.5}$ - particulate matter equal to or less than 2.5 microns in diameter
H_2SO_4 - sulfuric acid mist
(4) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.
(5) Fugitive emissions are an estimate based on component count and applicable fugitive emission factors.
(6) Emissions are based on normal operation of 100 operating hours per year.
(7) Cooling tower PM_{10} emissions are an estimate only based on manufacturer's test data.
(8) The maximum 24-hour average hourly PM_{10} emission rate is 4.32 lb/hr for each cooling tower.
(9) Turbine oil mist vent emissions are an estimate only based on estimates from mist vent eliminator manufacturer data.
(10) The tpy emission limit specified in the MAERT for this facility includes emissions from the facility during both normal operations and planned MSS activities.

Date: October 19, 2012